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Lancaster Farming

VOL. 36 No. 5 | Four Sections | Lancaster Farming, Saturday, December 15, 1990 | 50¢ Per Copy | $15.00 Per Year

James Dunn holds the halter of one of the best cows of his milking herd, while standing with his family and herdsman in front of their Schuylkill County dairy farm. Standing in back of Dunn is herdsman Richard Hire. James' wife Tammie stands with the couple's three sons, who are, from the left, Joshua, David, and Robert. The cow is Zsa Zsa and her latest dairy production record showed milk production of 28,677 pounds in 279 days. Her milk tested out with 990 pounds of fat and 898 pounds of protein. She was fresh at 4-years, 7-months. She is classified Very Good 87.

Photo by Vern Achenbach Jr.

Dairyman's Herd Shows Most Improvement

VERNON ACHENBACH JR.
Lancaster Farming Staff

NEW RINGGOLD (Schuylkill Co.) — The most improved dairy herd in the state is on a farm that is an apparent paradox to the region in which it is located.

Northeastern Schuylkill County consists of thousands of acres of steep-hilled, hardwood forest, small mountain streams, and Christmas tree farms.

Amid all this northwoods setting is a dairy farm that appears lost. It would look more at home in some flatland valley in southern Pennsylvania.

It's easy to imagine that some huge hand plucked the farm right out of the heartland of dairy country and accidently dropped it to the earth.

And forgot about it.

But the Dunn's Farm dairy operation is far from an accident, despite its unusual location.

James Dunn, 28, his father Robert and brother Steve form Dunn's Farm Inc., an agricultural production and marketing family business that involves the production of fruit, vegetables, forage crops, beef — and, as of three years ago, milk.

(Turn to Page A20)

Mid-Atlantic Conservation Tillage Conference

Farmers Should Consider Environment

ANDY ANDREWS
Lancaster Farming Staff

CAMP HILL (Cumberland Co.) — Farmers often face a multitude of dilemmas. What will it mean now that President Bush approved a $1 billion credit line to the Soviets? In what ways can farmers control troublesome weeds, increase their understanding of nitrates in the soil and how they may leach into groundwater, and what this means to water quality?

Those were just some of the topics addressed Wednesday at the 1990 Mid-Adlantic Conservation Tillage Conference at the Penn Harris Convention Center. Farmers around the region had a chance to seek expert's views about farming in the 1990s.

(Turn to Page A19)

Pa. Lamb And Wool Queen Crowned

LOU ANN GOOD
Lancaster Farming Staff

LANCASTER (Lancaster Co.) — Seventeen-year-old Arlisa Snavely of Lancaster County wears the 1991 Pennsylvania Lamb and Wool Queen crown.

"It's awesome to be named queen," Arlisa said. "I want to use my position to make people aware how good lamb tastes."

The coronation took place during the Keystone Shepherds' Symposium, held at the Lancaster Sheraton for three days last weekend.

Arlisa, the daughter of Jim and Arlene Snavely of Lancaster, is president of the county 4-H Woolies Club. The Snavelys live on a small farm, but did not have sheep until Arlisa was nine and purchased one for a 4-H project.

Her love and success with sheep breeding has grown into a 20-head registered Shropshire flock.

"I prefer Shropshires because they are basically an all-around meat and wool breed. They are good natured, easy to care for, and don't consume a lot of food."

Over the years, Arlisa's breeding sheep have won numerous grand champion awards at Keystone International Livestock Exposition and farmshows at Manheim, Elizabethtown, Lampeter, and Harrisburg.

She was also named 4-H Shepherd of the Year and has participated in lead line competitions and in livestock and meat judging.

A senior at Lancaster Mennonite School, Arlisa plans to pursue a nursing or occupational therapy career because she likes to help people.

(Turn to Page A21)

York Farmland Trust Formed

JOYCE BUPP
York Co. Correspondent

YORK (York Co.) — In the last four decades, York County has seen a loss of 39 percent of its farmland to non-agricultural use.

And, if the rate of loss continues as it has since 1950, a 56 percent loss of the county's farmland is likely to occur by the year 2000.

Alarmed at statistics like those, concerned York countians have discussed farmland preservation for the last several years in numerous meetings and forums. Now, that concern has come to fruition with the formation of the York County Farmland Trust. The Trust is a private, non-profit, member-supported organization formed with the intent of providing landowners with alternatives to converting productive farmland to non-agricultural uses.

"Development is needed, but not at the expense of our best farmland," said Stanley Brown, Loganville orchardist recently elected president of the York County Farmland Trust. Part of a three-generation fruit production and retail marketing family, Brown has a deep personal commitment to the urgent necessity to slow farmland losses.

(Turn to Page A22)

FOCUS
Pennsylvania Dairy Herd Improvement Association
Call 1 800 DHI TEST for service or information

Editor's Note: In June and in December, the Pennsylvania DHIA member newsletter appears in one of Lancaster Farming's regular issues. This four-page letter appears this week on Pages D9-12 as part of the ongoing goal to make management information assembled in the DHIA computers available to our readership and to help the Pennsylvania DHIA communicate with its members.

In addition, other features about dairymen who have done outstanding work with their herds and stories about Pennsylvania DHIA's services appear throughout the paper. Of special interest will be the "Herd Profile Tables" on Page C-5 and "A Picture of Pennsylvania DHIA In Graphs" on Page C-2. Here's an index of all the DHIA articles in this issue.

D9-D12 DHIA Newsletter:
PA DHIA Board Meeting Summaries.

(Turn to Page A25)

Pa. Lamb and Wool Queen Arlisa Snavely was crowned during the fifth annual Keystone Shepherds' Symposium held at Lancaster December 7, 8, and 9.

Lancaster Co. Livestock Market Auctions

Lancaster Livestock Auction

Lancaster, PA
DECEMBER 11, 1990

	Cattle	Calves	Hogs	Sheep	Goats
MONDAY'S AUCTION	1000	70	141	1208	847
LAST MONDAY'S AUCTION	842	69	242	1105	417
LAST YEAR'S AUCTION	839	62	440	934	550

CATTLE: Slaughter steers uneven, Choice and Prime mostly steady, Select to low Choice steady to weak; slaughter heifers steady to weak; cows firm to 1.00 higher; bullocks steady; bulls fully steady. Slaughter steer supply mainly Select to average Choice, with only a few High Choice and Prime on offer. Supply includes 55% slaughter steers, 14% slaughter heifers, 21% cows, with the balance bulls.

SLAUGHTER STEERS: High Choice and Prime 2-4 1225-1450 lb 82.75-84.85, one three head lot 87 00, Choice 2-3 few 4 1150-1450 lb 80.25-83.50, few 3-4 1400-1600 lb 78 00-80.00; Select and low Choice 2-3 1050-1450 lb 75.25-80.25, including around 30 head 1130-1325 lb returning to feed at 75.25-79.35; Select 2-3 1100-1425 lb 71.75-75.50.

HOLSTEINS: High Choice and Prime 1375-1760 lb 72.00-75.25; Choice 1160-1450 lb 67.00-72.00; few Select 1060-1300 lb 65.00-67.00.

SLAUGHTER HEIFERS: Choice 2-3 980-1250 lb 77.25-80.75, few 900-950 lb 74 00-78 00; Select 2-3 925-1200 lb 70.50-76.00.

COWS: LO DRESSING BULK HI DRESSING Breaking Utility & Commercial 2-3 53.00-55.00 55.00-58.00 Cutter & Boning Utility 1-2 48.00-50.00 50.00-53.75 54 00-55.00 Canner and low Cutter 45 00-47 00, few 750-825 lb beef breed 40 50-42.00.

BULLOCKS: Choice 2-3 1100-1550 lb 67.00-69 00, couple 70.00-71.75; couple Select 1-3 1050-1300 lb 64.50-65.75.

BULLS. Yield grade 1 1350-2100 lb 67 00-72 75, few 73.00-75.75; Yield grade 2 1000-1500 lb 61.25-66.50.

VEAL CALVES: Vealers and slaughter calves steady.

VEALERS: High Good and low Choice 150-270 lb 75.00-90.00, 80-110 lb 40.00-50.00; Standard and low Good 55-75 lb 35 00-40 00.

SLAUGHTER CALVES: Good and Choice 270-450 lb 70.00-80.00.

HOGS Compared to last Wednesday barrows and gilts 1.00 higher; sows 1.50-2 50 lower.

BARROWS AND GILTS: US 1-2 210-250 lb 48 00-48.50. US 1 210-245 lb 50 00-50.75. US 1-3 210-260 lb 47 00-48 00 US 3-4 280-300 lb 44 00-45 00

SOWS· US 1-3 300-650 lb 37.50-39.50.

BOARS: All Weights 36.50-37.25.

SHEEP· Wooled lambs firm to 5 00 higher, slaughter ewes 3 00-5 00 higher Large share of slaughter lambs new crop 20-65 lb weights

WOOLED LAMBS: Choice and Prime 80-115 lb 52 00-60.00, few 60 00-63 00, 60-80 lb 55.00-65.00; Good to low Choice 60-90 lb 50.00-55.00.

NEW CROP LAMBS: Choice 20-45 lb 170.00-220.00, 45-65 lb 125.00-175 00, 60-80 lb 60.00-90.00, few 80-90 lb 55.00-60.00; Good to low Choice 40-70 lb 90.00-125.00.

SLAUGHTER EWES: Utility and Good 20.00-40.00; Yearlings and two-year olds 45.00-50.00.

GOATS: All goats sold by the head Large 75.00-110 00, few thin 60 00-75.00, Medium 50.00-60.00, few thin 45.00-50.00; Small, mainly kids, 45 00-55.00, few thin 30.00-45.00.

Vintage Livestock

Paradise, PA
Dec. 11, 1990

CATTLE 915...USDA...(Supply included several 1375 to 1600 lbs. weights on 43% steers and 44% cows)...Compared with Monday's market: Slaughter steers uneven, Choice and Prime 100 to 1425 lbs. fully steady, instances .50 higher, late sales no more than steady, Choice 1400 to 1500 lbs. .50 to 1.00 lower, Select and low Choice steady to weak; Heifers not tested; Cows steady to 1.00 lower; Bullocks not tested; Bulls 1.00 lower. Choice & Prime 2-3, 1100/1375 lbs. sl. steers 83 50-86.25; Choice 2-3 few 4, 1100/1425 lbs. 80 00-84.50, few late sales 79.50-80.00, Choice 2-4 1125/1625 lbs. 77.75-81.85, Select & low Choice 2-3 1075/1450 lbs. 76.00-80.25 including 60 head return to feed lots 76.25-79.10, 1450/1685 lbs. 72.50-77, few Select 2-3, 1050/1350 lbs. 70.00-76 00. Choice 2-3, 890/1175 lbs. sl. heifers 76.50-78.50, 2-3 Select 800/960 lbs. 70.00-74.85. Breaking Utility & Commercial cows 2-3, 50 00-54 50, couple 57. 00&59.00, Cutter & Boning Utility 1-2, bulk 48.50-54, high dressing 54.00-55.75, low dressing 46.50-48 50, Canner & Low Cutter bulk 46.00-48, low dressing 46.00-47.00. Yield Grade No. 1, 1380/1975 lbs. sl. bulls 64.00-66.75, No. 2, 1100/1500 lbs. 61.00-64.00.

CALVES 841... Supply included 668 in graded sale of which 84% sold to return to farm . Vealers steady. High Good & low Choice 160/295 lbs. 60.00-70.00, 110/145 lbs. 45.00-52.00, 80/110 lbs. 38.00-45.00, Standard and low Good 60/80 lbs. 20.00-38.00. Farm Calves: Holstein Bulls 90/125 lbs. 112.00-124.00, 85 lbs. 107.00, 80 lbs. 92.00, Small frame 100/115 lbs. 80.00-87.00, 80/95 lbs. 50.00-55.00; Hol. Heifers 90/120 lbs. 130.00-150.00, Small frame 100/105 lbs. 60.00, 80/95 lbs. 47.00-50.00.

SHEEP 7...Insufficient volume for a market test - all cwt.

GOATS 0...No Market test.

Lancaster Livestock

Wed., Dec. 12, 1990

	Cattle	Calves	Hogs	Sheep	Goats
Wed's Auction	33	3	187	0	3
Last Wed's Auction	25	0	338	0	0
Last Year's Auction	42	1	400	10	0

CATTLE: Insufficient volume for a market test.

VEAL CALVES: Insufficient volume for a market test.

HOGS: Compared to Monday small supply barrows and gilts steady; sows 1.50- 2.00 lower.

BARROWS AND GILTS: US 1-3 210-255 lb 47.00-48.00.

SOWS: US 1-3 300-650 lb 35.00-38.00.

BOARS: All Weights 35.00.

SHEEP: No market test.

GOATS: Insufficient volume for a market test.

Jersey Shore Livestock Market, Inc.

Auction every Thursday at 4:00 p.m.
Jersey Shore, Pa.
Report supplied by Auction
Thursday, Dec. 13, 1990

RETURN TO FARM CALF 1.00-1.40.
GOOD VEAL 60.00-99.00.
COMMON VEAL 30.00-59.00.
CHOICE STEERS: 77.00-80.75.
SELECT STEERS 65.00-76.00.
COMMON STEERS 50.00-64.00.
COMMERCIAL COWS 47.00-54.00; COUPLE 49.00.
CANNERS-CUTTERS 42.00-53.00.
SHELLS 33.00-41.00.
CHOICE HEIFERS 74.00-80.25.
SELECT HEIFERS 65.00-73.00.
COMMON HEIFERS 47.00-64.00.
GOOD FEEDERS 65.00-86.00.
COMMON FEEDERS 48.00-64.00.
BULLS 50.00-63.75.
GOOD HOGS 46.00-48.60.

New Holland Livestock Auction

Lancaster, Pa.
Thursday, December 13, 1990

	Cattle	Calves	Sheep	Goats
Today	824	603	317	91
Last Thursday	998	682	108	52
Last Year	912	650	386	191

CATTLE: Slaughter steers 1.00-2.00 higher; slaughter heifers fully steady; cows 50-1.00 higher, instances 1.50 higher; bullocks scarce; bulls mostly 1.00 lower. Supply included 40% slaughter steers and 39% cows.

SLAUGHTER STEERS: Choice and Prime 2-3 1150-1420 lb 85.75-86.75; Choice 2-3 few 1075-1400 lb 82.00-86.00; Select and low Choice 2-3 1000-1425 lb 77.75- 82.85, couple 83.00-84.50. HOLSTEINS: High Choice and Prime 1275-1600 lb 72.77-76.85; Choice 1200-1700 lb 70.00-72.75; Select 1200-1450 lb 66.50-69.00.

SLAUGHTER HEIFERS: Choice 2-3 920-1100 lb 77.25-80.50; Select 2-3 900-1125 lb 73.00-75.50.

COWS: LO DRESSING BULK HI DRESSING Breaking Utility & Commercial 2-3 51.50-55.00 55.00-57.75. Cutter and Boning Utility 1-2 48.00-50.50 51.00-54.00 54.00-56.00. Canner and low Cutter 45.00-47.00 47.00-50.00.

BULLOCKS: Couple Choice 2-3 1150-1500 lb 67.00-71.00.

BULLS: Yield grade 1 1300-2000 lb 63.00-68.00, three head 73.00-78.75; Yield grade 2 1100-1600 lb 59.00-63.00, several low dressing 54.00-59.00.

VEAL CALVES: Vealers steady, instances 5.00 higher. Demand good for Holstein bulls and heifers to return to farm.

VEALERS: Couple High Choice and Prime 225-325 lb 96.00-99.00; Choice 180-350 lb 77.00-87.00; high Good and low Choice 140-325 lb 65.00-78.00, 110-140 lb 45.00-58.00, 80-110 lb 38.00-45.00; Standard and low Good 55-75 lb 30.00- 38.00.

RETURNED TO FARM: Bulk 90-125 lb Holstein bulls 98.00-120.00, few 120.00- 129.00; small frame 90-115 lb 75.00-96.00, few 80-90 lb 55.00-75.00; few 90- 120 lb Holstein heifers 100 00-12.00.

SHEEP: Slaughter lambs steady; slaughter ewes steady.

WOOLED LAMBS: Choice 75-105 lb 54.00-62.00; Good to low Choice 80-125 lb 44.00-51.00.

NEW CROP LAMBS: Choice 60-75 lb 73.00-86.00, couple 102.00-106.00, 50-60 lb 98.00-130.00, 30-50 lb 125.00-165.00, few 165.00-198.00, couple 25-30 lb 207.00-225.00.

SLAUGHTER EWES: Utility and Good 19.00-30.00; Yearlings and two-year olds 30.00-45.00.

GOATS: All goats sold by the head. Large 62.00-74.00, five head 101.00-120.00; Medium 48.00-61.00; Small, mainly kids, 32 00-50.00, few thin 17.00-28.00.

Lancaster County Weekly

Dec. 14, 1990

	CATTLE	CALVES
THIS WEEK	3100	1510
LAST WEEK	2986	1622
LAST YEAR	2722	1579

CATTLE: Choice and Prime slaughter steers closed 1.00-2.00 higher, weights over 1400 lb and Select to low Choice fully steady, after being 50-1.00 lower early; slaughter heifers steady to weak; cows 1.00 higher, instances 1.50 higher; bullocks weak to 1.00 lower; bulls closed mostly 1.00 lower. Supply included 41% slaughter steers, 7% slaughter heifers, 32% cows, 6% bulls, with the balance feeders.

SLAUGHTER STEERS: High Choice and Prime 2-4 1225-1450 lb 83.50-86.25; few Choice 2 1075-1375 lb 85.75-87.00; Choice 2-3 few 4 1075-1400 lb closed at 82.00-86.00; Choice 2-4 1425-1625 lb 77.75-82.00; Select and low Choice 2-3 1000-1450 lb 76.00-82.50, few 82.50-83.00, 1450-1685 lb 72.50-78.00; few Select 2-3 1050-1350 lb 70.00-76.00. HOLSTEINS: High Choice and Prime 1275-1760 lb 72.00-76.85; Choice 1160-1700 lb 67.00-72.75; Select 1060-1450 lb 65.00-69.00.

SLAUGHTER HEIFERS: Choice 2-3 980-1250 lb 77.25-80.75, few 875-950 lb 74.00-78.00; Select 2-3 800-1200 lb 70.00-76.00.

COWS: LOW DRESSING BULK HIGH DRESSING Breaking Utility & Commercial 2-3 51.00-55.00 55.00-58.00 Cutter and Boning Utility 1-2 47.00-50.50 50.50-54.00 54.00-56.00 Canner and low Cutter 44.00-47.00 47.00-50.00, Few 750-825 lb beef breed 40.50-42.00.

BULLOCKS: Choice 2-3 1100-1550 lb 67.00-71.00, couple 71.00-71.75; couple Select 1-3 1050-1300 lb 64.50-65.75.

BULLS: Yield grade 1 1350-2100 lb 64.00-70.00, few 70.00-75.75; Yield grade 2 1000-1500 lb 59.00-66.00, low dressing 54.00-59.00.

VEAL CALVES: Vealers steady, instances 5.00 higher; slaughter calves steady. Demand good for Holstein bulls and heifers to return to farm.

VEALERS: Couple High Choice and Prime 225-325 lb 96.00-99.00; Choice 180-350 lb 77.00-87.00; high Good and low Choice 140-325 lb 65.00-78.00, 110-140 lb 45.00-58.00, 80-110 lb 38.00-45.00; Standard and low Good 55-80 lb 20.00-38.00.

SLAUGHTER CALVES: Good and Choice 270-450 lb 70 00-80.00.

RETURNED TO FARM: Bulk 90-125 lb Holstein bulls 98.00-124.00, few 124.00-129.00; small frame 90-115 lb 80.00-96.00, few 80-95 lb 50.00-75.00. 45 head 90-120 lb Holstein heifers 130.00-150.00; small frame 80-115 lb 47.00-70.00.

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AUCTIONS
MONDAY
9:00 A.M. - Slaughter Bulls, Heifers, Steers, Cows
10:00 A.M. - Goats, Veal Calves, Lambs
12 Noon - Slaughter Hogs
WEDNESDAY
8:00 A.M. - Slaughter Hogs
10:00 A.M. - Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M. - Veal Calves, Lambs
FRIDAY
11:00 A.M. - Stocker and Feeder Cattle
SATURDAY
8:00 A.M. - Slaughter Hogs
Next Feeder Cattle Sale
Friday, Dec. 21 - 11:00 A.M.
HOLIDAY SCHEDULE
Mon., Dec. 24 & Mon. Dec. 31
Regular Sales - Starting At 8 AM
LANCASTER STOCKYARDS, INC.
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HAY, STRAW & CORN — SALE —
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GREEN DRAGON MARKET & AUCTION
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1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only

VINTAGE SALES STABLES, INC.
COMPETITION IS THE ADVANTAGE
MARKET
YOUR LIVESTOCK
THE VINTAGE WAY
TUESDAY
11:00 A.M.
SLAUGHTER CATTLE AUCTION—STEERS, BULLS, HEIFERS, COWS, FEEDER CATTLE
7:30 P.M.
CALVES, SHEEP, GOATS
* GET CALVES IN EARLY—OUR STATE GRADER STARTS AT 1:00 P.M.
★NEW★
FEEDER & STOCKER ORDERS NOW BEING TAKEN
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TRUCKING SERVICE AVAIL.-LOCAL & LONG DISTANCE
(RT. 30, 10 MILES EAST OF LANCASTER IN PARADISE, PA)

Hog Markets

Lancaster Hogs

Lancaster Stockyards
Sat., Dec. 8, 1990
Report supplied by auction

400 HEAD.
US 1 215-245 LBS. 48.50-49.50.
US 1-2 215-245 LBS. 47.00-48.50.
US 1-3 215-245 LBS. 46.00-47.00.
US 2-4 215-255 LBS. 44.50-46.00.
GOOD SOWS: 38.00-41.00.
MEDIUM SOWS: 36.00-38.50.
THIN SOWS: 33.00-35.50.
HEAVY BOARS: 36.00-37.50.
LIGHT JR. BOARS: 38.00-40.00.

New Holland Feeder Pigs

Dec. 12, 1990

TODAY	876
LAST WEDNESDAY	1204
LAST YEAR	674

TREND: Compared to last Wednesday small supply of pigs sold as feeders 5.00-10.00 higher. Supply included around 76% sold for slaughter. All pigs weighed on arrival and sold per hundred weight.

GRADE HEAD WEIGHT PRICE US 1-2 64 42-45 122.00-128.00. 47 70-87 76.00-86.00.
US 2 32 42 120.00. 38 53 109.00.
US 2-3 20 36 114.00.
SLAUGHTER 123 17-24 190.00-242.00. 41 25-29 137.00-185.00. 159 30-37 118.00-144.00. 104 40-49 110.00-125.00. 140 50-59 102.00-116.00. 30 60-67 82.00-99.00. 17 72-93 77.00-83.00.

New Holland Hog Auction

LANCASTER, PA
DECEMBER 10, 1990

HOG RECEIPTS	
TODAY	684
LAST MONDAY	630
LAST YEAR	1239

TREND: Compared to last Monday barrows and gilts 1.50-2.00 higher.

BARROWS AND GILTS: US 1-2 210-250 lb 48.00-49.00, Late sales mainly 48.00.
US 1 210-240 lb 50.25-52.00.
US 1-3 210-260 lb 45.75-47.50.

Indiana Hogs

Dec. 12, 1990

HOGS 51
BARROWS AND GILTS: .50-1.00 LOWER. DEMAND MODERATE.
US 1-2 220-260 LBS. 45.00-46.50; MOSTLY 45.50-46.50.
210-220 LBS. 43.00-44.50
US 1-3 220-260 LBS. 43.75-45.00
SOWS: UNDER 500 LBS. 1.00-2.00 LOWER; OVER 500 LBS. WEAKD TO 1.00 LOWER.
US 1-3 300-500 LBS. 33.00-37.00
500-650 LBS. 35.00-39.
INDIANA DIRECT RECEIPTS: TUESDAY'S ACTUALS 16,800 TODAYS ESTIMATE 16,000 WEDNESDAY WEEK AGO 15,600 WEDNESDAY YEAR AGO 16,000 WEEK TO DATE 51,300 SM PD WEEK AGO 52,900 SM PD YEAR AGO 54,900

CARCASS BASIS HOG PRICES: HOT WEIGHTS: PLANT DELIVERED. 160-185 LBS. BARROWS AND GILTS: .65-.68 LOWER.

US 1 (BACKFAT THICKNESS .50-.79 IN.) 65.03 TO 68.48 US 1 (BACKFAT THICKNESS .80-.99 IN.) 63.73 TO 65.03 US 2 (BACKFAT THICKNESS 1.00-1.24 IN.) 62.15 TO 63.73 US 3 (BACKFAT THICKNESS 1.25-1.49 IN.) 61.15 TO 62.98 US 4 (BACKFAT THICKNESS 1.50-1.79 IN.) 58.41 TO 61.15

ACTUAL PAYING PRICE MAY NOT ALWAYS BE WITHIN PRICE RANGES AS ADJUSTMENTS ARE MADE FOR SUPERIOR OR INFERIOR MUSCLING AND BACKFAT THICKNESS WITHIN THE GRADES.

St. Louis Cattle, Hogs

Dec. 13, 1990

CATTLE AND CALVES: 650 (0 SLTR, 650 FDRS)

SUPPLY CONSISTS OF FEEDER CATTLE AND COWS FOR REGULAR THURSDAY'S AUCTION.

NO TEST ON SLAUGHTER CATTLE.

SLAUGHTER CLASSES: NOT TESTED COWS: CUTT, UTIL, COMM BULK SALES HI-DRESS % LO-DRESS % BREAKING 2-4 NO SALES
BONING 1-2
LOW TO AVG. CUTTER

RECEIPTS THIS WEEK 1,900: WEEK AGO 1,800: YEAR AGO 1,800

FOR THE WEEK, SLAUGHTER STEERS STEADY TO .50 HIGHER. SLAUGHTER HEIFERS STEADY TO 1.00 HIGHER, ADVANCE ON STRICTLY CHOICE GRADE LOTS OF BOTH CLASSES.

COWS FULLY 1.00, INSTANCE 2.00 HIGHER ON HIGH-YIELDING CUTTER AND BONING UTILITY. BULLS 1.00-2.00 HIGHER.

SLAUGHTER SUPPLY MAINLY CHOICE AND MIXED SELECT AND CHOICE STEERS AND HEIFERS, AROUND 20% COWS.

State Graded Feeder Pig Sale

at Westminster
Livestock Auction
Dec. 7, 1990

902 PIGS. 3 WEEKS AGO 864. PRICES STEADY! PIG WEIGHTS AVERAGED 15-20 LBS. HEAVIER DUE TO EXTRA WEEK SINCE LAST SALE.

GRADE 1 AND 2: 167 HEAD 43-49 LBS. 110.00-123.00; 218 HEAD 53-59 LBS. 106.00-121.00; 170 HEAD 61-66 LBS. 103.00-110.00; 44 HEAD EARLY 64-65 LBS. 92.00-100.00; 134 HEAD 70-75 LBS. 93.00-98.00; 19 HEAD TAILS 75 LBS. 85.00;

Hay & Grain Markets

Pa. Grain

Monday, Dec. 10, 1990
Report supplied by PDA

COMPARED WITH LAST MONDAY'S MARKET FOR SOUTHEASTERN, CENTRAL, AND SOUTH CENTRAL PA: CORN STEADY TO .10 HIGHER; WHEAT STEADY TO .10 HIGHER; BARLEY AND OATS STEADY; SOYBEANS STEADY TO .15 HIGHER; EAR CORN STEADY TO STRONG.

SOUTHEASTERN PENNSYLVANIA

CORN NO. 2-Y RANGE 2.20-2.60, AVERAGE 2.40; @WHEAT NO. 2 RANGE 2.50-2.91, AVERAGE 2.69, FEW REPORTED CONTRACT FOR HARVEST 2.52-2.78; BARLEY NO. 3 RANGE 1.90-2.15, AVERAGE 1.99, FEW REPORTED CONTRACT FOR HARVEST 1.80-2.00; OATS NO. 2 RANGE 1.20-1.65, AVERAGE 1.45; SOYBEANS NO. 1 RANGE 5.40-5.80, AVERAGE 5.62; FEW REPORTED GR. SORGHUM #2 RANGE 2.20, AVERAGE 2.20; FEW REPORTED NEW EAR CORN RANGE 52.00-75.00, AVERAGE 62.46.

SOUTH CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 2.10-2.40, AVERAGE 2.26; @WHEAT NO. 2 RANGE 2.52-2.70, AVERAGE 2.58; BARLEY NO. 3 RANGE 2.00-2.22, FEW REPORTED 1.85, AVERAGE 2.07; OATS NO. 2 RANGE 1.20-1.50, AVERAGE 1.21; SOYBEANS NO. 1 RANGE 5.32-5.75, AVERAGE 5.47; FEW REPORTED NEW EAR CORN RANGE 50.00-60.00, AVERAGE 56.00.

SOUTHEASTERN, CENTRAL & SOUTH CENTRAL SUMMARY

CORN NO. 2-Y RANGE 2.20-2.60, AVERAGE 2.37; @ WHEAT NO. 2 RANGE 2.50-2.91, AVERAGE 2.67; BARLEY NO. 3 RANGE 1.90-2.22, AVERAGE 2.02; OATS NO. 2 RANGE 1.20-1.60, AVERAGE 1.39; SOYBEANS NO. 1 RANGE 5.30-5.80, AVERAGE 5.57; FEW REPORTED NEW EAR CORN RANGE 50.00-75.00, AVERAGE 59.00.

CENTRAL PENNSYLVANIA

CORN NO. 2-Y RANGE 2.25-2.50, AVERAGE 2.41; @WHEAT NO. 2 RANGE 2.50-2.90, AVERAGE 2.70; BARLEY NO. 3 RANGE 1.90-2.15, AVERAGE 2.03; OATS NO. 2 RANGE 1.25-1.50, AVERAGE 1.39; SOYBEANS NO. 1 RANGE 5.30-5.70, AVERAGE 5.54; BUCKWHEAT RANGE 8.00-8.15, AVERAGE 8.05; FEW REPORTED NEW EAR CORN RANGE 52.00-60.00, AVERAGE 55.67.

WESTERN PENNSYLVANIA

CORN NO. 2-Y RANGE 2.20-2 50, FEW REPORTED 2.65. AVERAGE 2.44; @WHEAT NO. 2 RANGE 2.57-2.80, AVERAGE 2.67; BARLEY NO. 3 RANGE 1.85-2.00, AVERAGE 1.93; OATS NO. 2 RANGE 1.10-1.70, AVERAGE 1.40, (MOSTLY 1.25-1.50); FEW REPORTED SOYBEANS NO. 1 RANGE FEW REPORTED 5.58, AVERAGE 5 58; FEW REPORTED PER HUNDREDWEIGHT RECLEANED 15% BUCKWHEAT RANGE 8.50, AVERAGE 8.50; FEW REPORTED NEW EAR CORN FEW REPORTED 55.00-57.00, AVERAGE 56.00.

MONTH AGO

CORN NO. 2-Y 2.39; @WHEAT NO. #2 2.72; BARLEY NO. 3 2 02; OATS NO. 2 1.35; SOYBEANS NO. 1 5.47; FEW REPORTED NEW EAR CORN 55.95.

YEAR AGO

CORN NO. 2-Y 2.73; @WHEAT NO. #2 3.97; BARLEY NO. 3 2.09; OATS NO. 2 1.63; SOYBEANS NO. 1 5.57; FEW REPORTED NEW EAR CORN 65.32.

National Grain Market

St. Joseph, MO
Dec. 12, 1990

GRAIN AND SOYBEAN PRICES MIXED WEDNESDAY. GRAIN PRICES CONTINUE TO BE DOMINATED BY HOPES THAT CREDIT OFFER TO U.S.S.R. BECOMES REALITY. TUESDAY'S U.S.D.A. SUPPLY/DEMAND REPORT WAS VIEWED AS NEUTRAL TO SLIGHTLY FAVORABLE WITH WHEAT PRODUCTION SUPRISINGLY HIGHER THAN EXPECTED.

EXPORT NEWS: ALGERIA BOUGHT ABOUT 100,000 TONNES OF WHEAT FOR JANUARY SHIPMENTS UNDER EXPORT BONUS PROGRAM.

DATE CHANGE YEAR AGO 12/12/90 12/11/90 12/13/89 WHEAT: KANSAS CITY 2.72-2.75 NC 4.26-4.30 MINNEAPOLIS 2.79 3/4-2.85 3/4 DN 1 1/4-UP 3/4 4.22-4.28 PORTLAND 2.85-2.89 NC-UP 1 4.61-4.64 ST. LOUIS 2.72-2.75 NC 4.22-4.26

CORN, U.S. NO. 2 YELLOW: KANSAS CITY 2.37-2.40 NC-DN 1 2.43-2.46 MINNEAPOLIS 2.24 1/4 UP 1/2 2.22 SO. IOWA 2.33-2.37 DN 2-UP 1 2.31-2 35 OMAHA 2.22-2.25 NC 2.28-2.30

SOYBEANS, NO. 1 YELLOW: KANSAS CITY 5.95-6.00 UP 2 5.79-5.83 MINNEAPOLIS 5.84 3/4 UP 3/4 5.63 3/4 SO. IOWA 5.94-5.99 NC-UP 1 5.68-5.75 C. ILL. PROCESSORS 6.04-6.09 UP 1-2 5.85 1/2-5.90 1/2

KANSAS CITY, US NO. 1 HARD RED WINTER WHEAT, ORDINARY PROTEIN. MINNEAPOLIS, US NO. 1 DARK NORTHERN SPRING WHEAT, 14% PROTEIN. PORTLAND, NO. 1 SOFT WHITE WHEAT, ST. LOUIS, NO 2 SOFT RED WINTER WHEAT.

FUTURES CLOSE: KANSAS CITY (MAR) WHEAT 2.68 3/4 UP 1/4 4.10 1/4 MINNEAPOLIS (MAR) WHEAT 2.63 3/4 UP 3/4 3.98 CHICAGO (MAR) WHEAT 2.67 UP 1/4 4.14 3/4 (MAR) CORN 2.39 1/4 UP 1/2 2.41 (JAN) SOYBEANS 5.96 3/4 UP 1 3/4 5.80 1/2

EXPORT: BARGE OR RAIL, PORT OF NEW ORLEANS OR NORTH TEXAS GULF. NO. 1 HARD RED WINTER WHEAT ORDINARY PROTEIN 3.10-3.14 DN 1-NC 4.59-4.61 NO. 2 SOFT RED WINTER WHEAT 2.97-3.00 DN 2-7 4.55-4.58 NO. 2 YELLOW CORN 2.58-2.64 NC-UP 4 2.77-2.78 NO. 2 YELLOW SORGHUM RAIL 4.63 UP 1 BARGE 4.59 DN 3 4.70-4.77 NO 2 YELLOW SOYBEANS 6 25-6.28 DN 1-NC 6.25.

Green Dragon Hay

Ephrata, Pa.
Friday, Dec. 7, 1990
Report Supplied by Auction

TOTAL LOADS: 164.
MIXED HAY: 35.00-155.00.
ALFALFA: 45.00-140.00.
TIMOTHY: 35.00-125.00.
ORCHARD GRASS: 55.00-107.00.
STUBBLE HAY: 60.00.
STRAW: 57.00-130.00.
CORN: 65.00-73.00.
FIREWOOD: 47.00-60.00 LOAD.
OATS: 1.90-2.20 BU.
WOOD CHIPS: 2.15 BAG.

Belleville Hay

Wednesday, Dec. 12
Belleville, PA
Report Supplied by Auction

TOTAL LOADS: 51 LDS HAY.
ALFALFA: 67.50-120.00.
MIXED HAY: 55.00-110.00.
STRAW: 8 LOADS, 40.00-75.00.

Dewart Hay

Dewart, PA.
Monday, Dec. 10, 1990
Report Supplied by Auction

NO SALE.

Regional Hay

Dec. 10, 1990
Eastern, Pa.

HAY & STRAW MARKET FOR EASTERN PA - (ALL HAY NO. 2 AND BETTER, PRICES PAID BY DEALERS AT THE FARM & PER TON). HAY STEADY TO WEAK AND STRAW.

ALFALFA 75.00-100.00; MIXED HAY 60.00-90.00; TIMOTHY HAY 70.00-90.00; STRAW 40.00-75.00, FEW 85.00; MULCH 20.00-35.00.

SUMMARY OF LANCASTER CO. HAY AUCTIONS FOR WEEK ENDING 12/7/90. PRICES PER TON: LOADS: 306 HAY, 80 STRAW, AND 19 EAR CORN.

ALFALFA 85.00-140.00; MIXED HAY 65.00-125.00; TIMOTHY HAY 70.00-120.00; STRAW 57.00-111.00; EAR CORN 65.00-85.00.

SUMMARY OF CENTRAL PA. HAY AUCTIONS FOR WEEK ENDING 12/7/90. PRICES PER TON· LOADS· 97 HAY, 21 STRAW & 2 EAR CORN.

ALFALFA 82.50-140 00; MIXED HAY 65.00-120.00; TIMOTHY 50.00-102.50; STRAW 40 00-75.00, EAR CORN 75.00 & 82.50.

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*** Direct Off The Farm ***
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Next Feeder Cattle Sale
Friday, Dec. 21 - 11:00 A.M.

CHRISTMAS SALE
Lambs & Goats
Monday, December 17, 9 AM

HOLIDAY SCHEDULE
Mon., Dec. 24 & Mon. Dec. 31
Regular Sales - Starting At 8 AM

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Lloyd H. Kreider, Auctioneer
AU-000513L
No out of state checks

PIGS
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FRI., DEC. 21
1:30 P.M.
WESTMINSTER
LIVESTOCK AUCTION
Westminster, MD
Sales every 1st & 3rd Friday
Phone (301) 848-9820 or (301) 857-1179

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Weekly New York Egg Market Northeast Quotes

From Fri., Dec. 7 to Thurs., Dec. 13

	FRI.	MON.	TUES.	WED.	THURS.
WHITE					
JUMBO	.96	.96	.97	.98	1 00
EX. LARGE	.93	.93	.94	.95	.97
LARGE	.90	.90	.91	.92	.94
MEDIUM	.83	.83	.84	.84	.85
PULLETS	.67	.67	68	.68	.69
OFF GRADE	.78	.78	.79	.80	.82
BROWN					
EXTRA LARGE	1.01	1.01	1.01	1 01	1.01
LARGE	.97	.97	.97	.97	.97
MEDIUM	.89	.89	.89	.89	.89
OFF GRADE					
UNDERGRADES					
AND CHECKS	.41	.41	.42	.44	.46

BREAKING STOCKS: MON. 48-50 LBS. 52.00-53.00, 50 LBS. UP 54.00-55 00; TUES. 48-50 LBS. 53.00-55.00, 50 LBS. UP 55.00-56.00; WED. 48-50 LBS. 55.00-57.00, 50 LBS. UP 57.00-58.00; THURS. 48-50 LBS. 57.00-59.00, 50 LBS. UP 59.00-60.00.

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N.E. Chicken Parts

Dec. 12, 1990

Trucklot buying interest was light and cautious. Boneless skinless breasts were adequate to fully adequate with spot availability noted at $1.65. Supplies of breasts with ribs and line run increased and were about adequate overall. Leg items were fully adequate to ample except thighs which cleared well at current prices. Wings continued in seasonally good demand, although buyers in some instances were less aggressive.

TODAY'S NEGOTIATED SALES AS OF 11:30 A.M., PRICES PAID PER POUND ON ICE PACKED PARTS DELIVERED IN POOL TRUCKLOT AND TRUCKLOT QUANTITIES:

ITEM CURRENT NEGOTIATED TRADING BREASTS BONELESS SKINLESS 170 WITH RIBS 81-82 LINE RUN 81 LEGS 41-42 LEG QUARTERS 30 THIGHS 35-36 DRUMSTICKS 30-31 WINGS 65-66 BACKS & NECKS 10-12 LIVERS 15 GIZZARDS (HEARTS) 40-45

Includes New York City Metropolitan area, Northern New Jersey, Massachusetts, Connecticut and Rhode Island

PRICES PAID PER POUND ON ICE PACKED PARTS DELIVERED IN POOL TRUCKLOT AND TRUCKLOT QUANTITIES: CURRENT ITEM NEGOTIATED TRADING* WEIGHTED AVG.** VOLUME/LBS. BREASTS BONELESS SKINLESS 170 173.49 244,800 WITH RIBS 81-82 84.19 315,000 LINE RUN 81 81.88 199,800 41-42 41.19 3 31,200 LEG QUARTERS 30 30.33 442,800 THIGHS 35-36 36.50 64,800 DRUMSTICKS 30-31 28.07 82,800 WINGS 65-66 71.39 360,000 BACKS & NECKS 10-12 11.08 61.200 LIVERS 15 16.50 18,000 GIZZARDS (HEARTS) 40-45 44.83 32,400

*TODAY'S NEGOTIATED SALES AS OF 11:30 A.M. **WEIGHTED AVERAGE PRICE OF ALL GRADES AND BRANDS OF PRODUCT SHIPPED, OR TO BE SHIPPED FROM PROCESSORS AS OF 2:00 P.M. DAY OF REPORT. (INCLUDES NEW YORK CITY METROPOLITAN AREA, NORTHERN NEW JERSEY, MASSACHUSETTS, CONNECTICUT AND RHODE ISLAND).

Hackettstown Poultry & Egg

Hackettstown, N.J.
Tuesday, Dec. 11, 1990
Report Supplied by Auction

HEAVY FOWL: .30-.75.
LIGHT FOWL: .15.
MIXED FOWL: .65-1.20.
BANTAMS: .25-1.70.
ROASTERS: .35-1.60.
FRYERS: .25-.40.
BUNNIES, EACH: .50-2.00.
ROOSTERS: .70-1.50.
GEESE: .10-.15
TURKEYS: .20-.30.
DUCKS: .10-.85.
RABBITS: .70-1.70.
PIGEONS: 1.50-1.70.
GUINEAS: 1.20-1.80.

WHITE EGGS: EXTRA LARGE & JUMBO .90-1.01, LARGE .58-.90, MEDIUMS .60.

BROWN EGGS: EXTRA LARGE & JUMBO .97-1.15, LARGE .81-.97.

Delmarva Broiler Fryer Market

Dec. 12, 1990

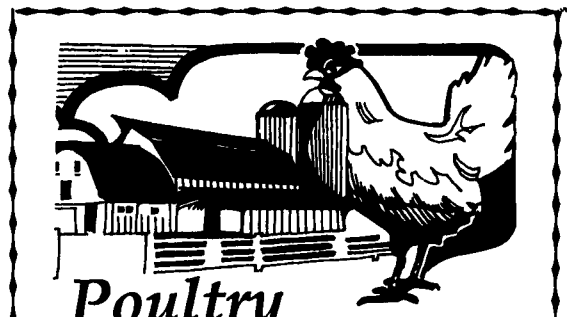
Movement of ready-to-cook broiler fryers was fairly good today and about as expected for mid-week trading. Less than trucklot asking prices were generally unchanged at 46-62 cents. Live supplies were adequate. Average live weights ranged desirable to heavy. Processing schedules today were heavy. Trade sentiment was mostly steady. In the parts complex, supplies of wings were barely adequate to adequate, whole breasts were adequate, dark meat items and skinless boneless breasts were adequate to fully adequate.

ESTIMATED SLAUGHTER OF BROILER/FRYERS IN DELMARVA (000) ESTIMATED ACTUAL AVG. WGT. ACTUAL AVG. WGT. 12/12 12/10 12/10 12/5 12/3 2,125 2,099 4.60 2,134 4.71

NEW YORK MULTIPLE DROP BROILER REPORT:

CURRENT BROILER/FRYER NEGOTIATED PRICES FOR IMMEDIATE DELIVERY INCLUDES MOSTLY MULTIPLE-DROP SHIPMENTS OF BRANDED AND WING TAGGED TO NEW YORK CITY FROM DELMARVA

BRANDED U.S. GRADE A RANGE 46-62 WEIGHTED AVERAGE 53.66 NO. OF BOXES 11,186



N.E. Weekly Shell Egg Report

Tuesday, Dec. 11
Report Supplied by USDA

PRICES PAID PER DOZEN GRADE "A" BROWN EGGS IN CARTONS DELIVERED TO RETAIL STORES:

	EX. LARGE	LARGE	MEDIUM	SMALL
N. HAMP.	1.08-1.12	1.07-1.11	1.04-1.08	.60-.64
MOSTLY	1.10-1.11	1.09-1.10	1.06-1.07	.62-.63
RHODE ISLAND	1.11-1.15	1.10-1.14	1.07-1.11	.63-.67
MOSTLY	1.11	1.10	1.07	.63
VERMONT	1.15-1.25	1.12-1.19	.99-1.10	
MOSTLY	1.15	1.12	1.10	
MAINE	1.15-1.17	1.14-1.16	1.11-1.13	.67-.69

Heinsey's Poultry

Roots, E. Peterbsurg
Dec. 11, 1990

THERE WILL BE NO AUCTION THE WEEK OF DECEMBER 24TH AND THE NEW YEARS AUCTION WILL BE MONDAY, DECEMBER 30.

Muscovy Ducks, Drakes .70-.82.
Hens .50-.62.
Pekin Ducks .40-.54.
Pullets: 5-7# .40-.52.
Red Fowl: 4-4.5# .30-.48, 5-6# .52-.74.
Crossbred Roosters: 4-6# .40-.82, 7-12# .40-.74.
Crossbred Fowl: 5-9# .30-.62.
Banty Roosters 1.50-3.75 ea.
Banty Hens .50-1.50 ea.
Guinea Pigs .50-2.25 ea.
Kid Goats 32.00-46.00 ea.
Guinea Fowl .50-1.10.
Geese 8-15# .20-.72.
Pigeons 1.35-1.90 ea.
White Pigeons 2.25-4.00 ea.
Rabbits: 4-6# 1.00-1.32, 7-11# 80-1.10.
Leghorn Hens .18-.24.
Bunnies .50-2.00 ea.
Doves 2.50-4 00 ea
Silkies 4.00-5.40 ea.
Total Coops Sold 1,074.

Eastern PA & NJ Poultry

Dec. 12, 1990

Prices about unchanged on light type fowl and too few sales to report on heavy hens. Offerings are irregularly available for the moderate buying interest. Undertone about steady on lights and unsettled but weak on heavies.

CENTS PER POUND, GENERALLY FOR SLAUGHTER THE FOLLOWING WEEK:

LIGHT TYPE AT FARM (PRODUCER LOADING) 5-7.5 FOB PLANT TOO FEW TO REPORT

HEAVY TYPE (7 POUNDS AND UP) AT FARM (BUYER LOADING) TOO FEW TO REPORT AT FARM (PRODUCER LOADING) TOO FEW TO REPORT FOB PLANT TOO FEW TO REPORT

New York Eggs

Dec. 12, 1990

Prices were higher for large and extra-large, unchanged for mediums. Trade sentiment was fully steady to firm Demand at all levels was moderate to good. Wholesale inquiry for extra supplies was active for the very limited and premium priced offerings. Floor stocks were short to about adequate.

PRICES TO RETAILERS- SALES TO VOLUME BUYERS, CONSUMER GRADE A WHITE EGGS IN CARTONS DELIVERED STORE DOOR, CENTS PER DOZEN

A EXTRA LARGE 90-.92, A LARGE .87- 90, A MEDIUM 79- 82.

National Egg Market

Dec. 12, 1990

Prices were unchanged to higher. The market tone was fully steady to firm Demand at all levels was moderate to very good, mostly good and best for featured cartoned eggs, and wholesale large graded and ungraded eggs. Offerings were minimal and generally higher priced. Floor stocks were short to adequate, usually closely balanced. Breakers expressed a good demand for the limited shell egg offerings, and prices were higher. A large volume of specially packed dried egg mix was purchased for military distribution from December 1990 through March 1991. Light-type hen offerings were adequate for a mostly moderate demand, and prices were steady.

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Lancaster Farming (ISSN 0023-7485) is published weekly for $15.00 per year, $28.00 - 2 years by Lancaster Farming, P.O. Box 609 1 E Main Street, Ephrata, PA 17522 Second Class postage paid at Ephrata, PA 17522 POSTMASTER Send address changes to LANCASTER FARMING, 1 East Main Street, P.O. Box 609, Ephrata, PA 17522.

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SALE EVERY FRIDAY
11:00 A.M.- Beef
7:00 P.M.- Small Animal Sale.
Office 717-733-2444
Home 717-838-4318
WALTER H. RISSER, Proprietor

Westminster Hay

Westminster, Md.
Tuesday, Dec. 11, 1990
Report Supplied by Auction

TOTAL LOADS: 67.
ALFALFA: 1.60-3.10 BALE.
ALFALFA MIX: 77.50, 1.50-1.80 BALE.
TIMOTHY: 72.50-80.00, 1.00-2.00 BALE.
TIMOTHY MIX: 60.00-81.00, 1 05-1.60 BALE.
TIMOTHY ROUND BALES: 20.00-22.00 EACH AND 47.00-80.00 TON.
CLOVER: 1.90 BALE.
MIXED GRASS HAY: 85 CENTS-1.25 BALE.
ORCHARD GRASS MIX: 85 00.
MULCH: .45-.70 BALE.
STRAW: 52.00-85.00, 1.15-1.60 BALE..
WOOD: 70.00-85.00 CORD.
TREATED FENCE POSTS: 1.80 EACH.
NO SALE CHRISTMAS DAY. SALE WILL BE HELD NEW YEAR'S DAY.

Greencastle Hay Market

Hay & Straw
Dec. 6-10, 1990

37 LOADS.
ALFALFA (GOOD) 105.00-120.00/TON.
ALFALFA (FAIR) 90.00-104.00/TON.
ALFALFA MIXED 80.00-97.00/TON.
TIMOTHY HAY 70.00-89.00/TON.
MIXED HAY 70.00-84.00/TON.
ORCHARD GRASS 85.00-96.00/TON.
BROOM GRASS 67.50-90.00/TON.
MULCH HAY 48.00-60.00/TON.
OTHER CLOVER 85.00-90.00/TON.
STRAW- WHEAT 77.50/TON.
FIREWOOD 36.00/LOAD.

Leinbach's Hay

Shippensburg, PA
Dec. 8 and 11
Report Supplied by Auction

TOTAL LOADS: 67.
ALFALFA: 65.00-157.00.
MIXED HAY: 45.00-135.00.
TIMOTHY: 45.00-100.00.
CLOVER: 55.00-64.00.
GRASS: 43.00-65.00.
STRAW: 48.00-75.00.
OATS· 1.90-2.15 BU.
WOOD: 28.00-31.00 LOAD.
MULCH: 25.00-37.00.

Keister's Hay

Middleburg, PA
Tuesday, Dec. 11
Report supplied by auction

ALFAFA: 43 LOADS, 100.00-135.00
MIXED HAY: 50.00-152.50.
STRAW: 8 LOADS, 57.50-75.00.
EAR CORN: 1 LOAD, 70.00.
SHELLED CORN· 2 60 BU.
OATS: 1 LOAD, 1.60 BU.

Dewart Livestock

Dewart, Pa.
December 10, 1990
Report Supplied by PDA

STEERS: TOO FEW TO QUOTE.
HEIFERS: TOO FEW TO QUOTE.
GOOD COWS: 45.00-53.00.
CANNERS AND CUTTERS. 40.00-45.00.
BULLS: 50.00-57.00.
VEAL: 90-190 LBS 80 00-140.00, 70-90 LBS. 50.00-80 00.
HOGS: TOO FEW TO QUOTE.
SOWS: 37.00-41.00.
FEEDER PIGS: TOO FEW TO QUOTE.

Grantsville Livestock

Grantsville, Maryland
Sat., Dec. 8, 1990

HOGS: TOP BARROWS & GILTS 46.00-47.50; HEAVY BUTCHER 44.00-47.00; LIGHT BUTCHER 35.00-45.00; BUTCHER SOWS 40.00-46.50; FEEDER SHOATS 10.00-52.00.
VEAL: STANDARD 65.00-85.00; UTILITY 35.00-60.00; BULL CALVES 75.00-125.00.
SHEEP & LAMBS: GOOD 41.00-42.50; UTILITY 40.00-40.50; SLAUGHTER EWES 10.00-14.00.
SLAUGHTER CATTLE: STEERS: GOOD 70.00-73.50; STANDARD 62.00-68.00, UTILITY 58.00-60.00.
HEIFERS: 68.00-72 00; STANDARD 60 00-65 00; UTILITY 50 00-58 50.
COWS: COMMERCIAL 45.00-52.00, UTILITY 42.00-44.00; CANNER AND CUTTER 40.00 TO DOWN.
BULLS: COMMERCIAL & GOOD 54.00-65.50; CUTTER & UTILITY 48 00-50.00.
STOCK-FEEDER CATTLE GOOD 75 00-85.00; MEDIUM 60 00-70 00
STEER CALVES. GOOD 80 00-98 00, MEDIUM 65 00-72 50.
HEIFER CALVES: GOOD 65.00-87.50; MEDIUM 50 00-60.00.

Good's Hay

Leola, Pa.
Wed., Dec. 12, 1990
Report Supplied by Auction

86 LOADS.
ALFALFA: 91.00-128.00.
MIXED HAY: 61.00-124.00.
TIMOTHY: 83.00-99.00.
STRAW: 63.00-108.00.
CORN: 65.00-78.00.
GRASS: 68.00-74.00.
OATS: 1.90-1.95 BU.
CORN FODDER: 38.00.

New Holland Horses

New Holland Sales Stables
New Holland, PA
Monday, Dec. 10, 1990
REPORT SUPPLIED BY AUCTION

REGISTERED RECEIPTS OF 248 HEAD OF HORSES, MULES AND PONIES. MARKET STEADY.
DRIVING HORSES: 475.00-1050.00.
FEW WORK HORSES, SINGLES: 710.00-1050.00, PAIRS 1385.00-1750 00
RIDING HORSES: 425.00-780.00.
LIGHTWEIGHT KILLERS: 410.00-525.00.
HEAVYWEIGHT KILLERS: 590.00-725.00.
THIN HORSES: 260.00-375.00.
MARE PONIES: 45.00-175.00
COLTS: 40.00-75.00
GELDINGS. 45.00-175.00.
LARGER PONIES 250.00-410 00

New Holland Dairy

New Holland Sales Stables
Wednesday, Dec. 12, 1990
Report supplied by auction

TWENTY-SIX COWS, 61 HEIFERS AND 6 BULLS. HEIFER MARKET STRONGER; COW MARKET STEADY.
PERRY COUNTY FRESH COWS: 1135.00-1300.00.
LOCAL SPRINGING HEIFERS 925.00-1175 00.
SHORTBRED: 775.00-825 00
OPEN BREEDING AGE: 550.00-700.00.
SMALL OPEN: 410.00-510 00.
VACCINATED HEIFERS BRING A PREMIUM.
BULLS: 725.00-1010.00.
LOCAL COWS: 640.OO-1130 00.

North Jersey Livestock

Hackettstown, NJ
Tuesday, Dec. 11, 1990
Report supplied by auction

CALVES .20-1.42½ .
COWS .30-56.
EASY COWS .19- 46¼ .
HEIFERS 42 - 71¼ .
BULLS .43-.65.
STEERS .43¾ -.72½ .
HOGS .35-.42.
ROASTING PIGS EACH 33 00-49.00.
SOWS .32-.37.
BOARS .32.
SHEEP 05-.47.
LAMBS EACH 20 00-71 00.
LAMBS PER LB. 18-.66
GOATS EACH 40 00-97.00
KIDS EACH 14.00-69.00.
HIDES EACH 7.00-19 00.
TOTAL 1453.

North Jersey Market

Hackettstown, N.J.
Tuesday, Dec. 11, 1990
Hay—Straw & Grain Report

MIXED HAY: 4 LOADS, 1.50-2.10 BALE
TIMOTHY HAY: 1 LOAD, 1 60 BALE
GRASS HAY: 8 LOADS, 1.00-2 10 BALE
OAT STRAW: 1 LOAD, 1 30 BALE
WHOLE OATS. 1 LOAD, 7 00 BAG
TOTAL· 15 LOADS

East Coast Carlot

Wed., Dec. 12, 1990
Report supplied by USDA

EAST COAST CARLOT MEAT TRADE DELIVERED PRICES (CAF) BOSTON TO WASHINGTON AREA INCLUSIVE.
COMPARED TO LAST WEEK. NO SALES REPORTED.

4309•4446

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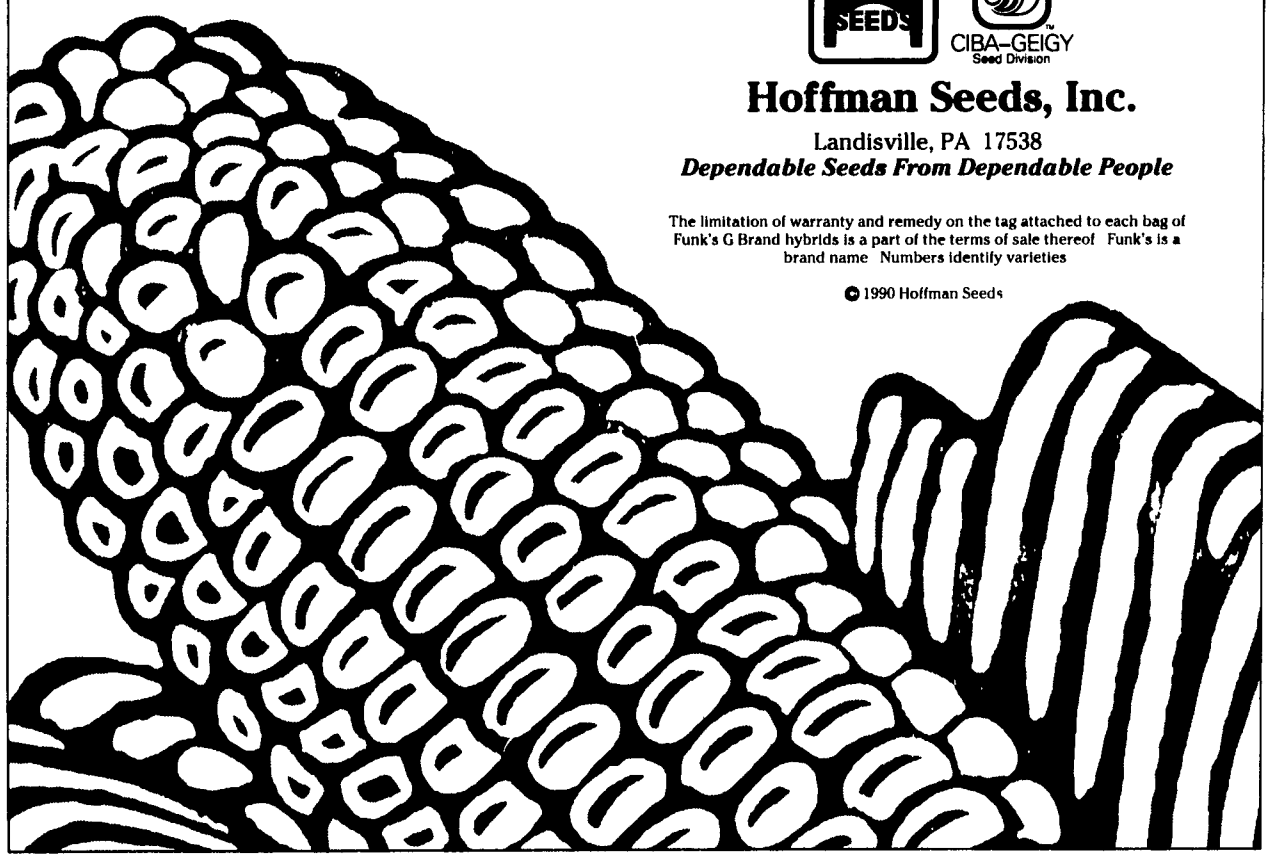

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L. Robert Frame, Sr. president
Glenn S. Frame Mgr.

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Estimated Daily Livestock Slaughter

Under Federal Inspection

Dec. 12, 1990

	CATTLE	CALVES	HOGS	*SHEEP*
WED., 12/12/90 (EST)	125,000	7,000	325,000	22,000
WEEK AGO (EST)	118,000	8,000	333,000	22,000
YEAR AGO (ACT)	126,000	8,000	332,000	24,000
WEEK TO DATE (EST)	350,000	21,000	962,000	64,000
SAME PD LT WK (EST)	333,000	24,000	903,000	62,000
SAME PD LT YR (ACT)	362,000	23,000	989,000	70,000

***** Revision Cattle Slaughter 12/11/90 Tuesday, 123,000.**
Revision Hog Slaughter 12/11/90 Tuesday, 331,000.

Peoria Hogs

Peoria, IL

Dec. 13, 1990

HOGS: 1500 TRADING ACTIVE. BARROWS AND GILTS OPENING .50 TO 1.00 HIGHER COMPARED WITH WEDNESDAY SUPPLY MAINLY US 1-3 230-260 LBS

US 1-3 220-250 LBS 47.50-48.00, 130 HEAD 48 50 2-3 230-260 LBS. 47.00-47.50

SOWS: UNDER 500 LBS. 50 TO 75 LOWER OVER 500 LBS UNEVEN AND MOSTLY STEADY 14%

US 1-3 325-500 LBS 37.00-37.25 500-650 LBS. 39 00

Central U.S. Carlot

Beef Report

Dec. 12, 1990

Report supplied by USDA

CENTRAL U.S. CARLOT BEEF REPORT (INCLUDES THE MAJOR PRODUCTION AREAS IN THE MIDWEST, TEXAS AND OKLAHOMA) AS OF 3 P.M.

COMPARED TO TUESDAY'S 3:00 P.M. REPORT: BONING UTILITY CARCASSES VERY UNEVEN, MOSTLY 2 00 HIGHER. CUTTER COW CARCASSES 2.00-3.00 HIGHER THAN LAST TEST. DEMAND MOSTLY GOOD WITH OFFERINGS LIGHT TO MODERATE.

COW AND BULL CARCASSES
FOB OMAHA BASIS
20 LOADS REPORTED

UT,BRK 2-4, 1 LOAD, RANGE 82.00, LATEST ESTB. MKT. 82.00.

UT,BNG 1-3 400 & UP, 6 LOADS, RANGE 86.00-92.50, LATEST ESTB. MKT. 90.00.

CUTTER 1-2 350 & UP, 12 LOADS, RANGE 96.00-97.50, LATEST ESTB. MKT. 97 00.

BULLS 500/UP, YG1, 1 LOAD, RANGE 104.00, LATEST ESTB. MKT. 104.00.

BONELESS PROCESSING BEEF
BEEF TRIMMINGS
119 LOADS REPORTED

BONELESS PROCESSING BEEF ON 90% 2.50-4.00 HIGHER WITH TEXAS-OKLA AREA UP TO 7.00 HIGHER. DEMAND MODERATE TO GOOD ON LIGHT TO MODERATE OFFERINGS. BEEF TRIMMINGS FULLY STEADY ON LIGHT TO MODERATE DEMAND AND MODERATE OFFERINGS.

FOB OMAHA BASIS

90% FRESH, 16 LOADS, RANGE 131.0-134.0, WT. AVG. 131.78.

90% FROZEN, RANGE 128.0, WT. AVG. 128.00 E.

85% FRESH, RANGE 120.0-121.0, WT. AVG. 120.20 E

85% FROZEN, UNQUOTED.

75% FRESH, UNQUOTED.

75% FROZEN, UNQUOTED.

65% FRESH, RANGE 85.5-86.0, WT. AVG. 85.64 A.

65% FROZEN, UNQUOTED.

50% FRESH, 60 LOADS, RANGE 62.00-64.00, WT. AVG. 62.46.

50% FROZEN, UNQUOTED.

50% BX, UNQUOTED.

FOB EAST TX AND OK

90% FRESH, 21 LOADS, RANGE 130.5-131.0, WT. AVG. 130.64.

90% FROZEN, 8 LOADS, RANGE 133.5-134.0, WT. AVG. 133.81.

85% FRESH, UNQUOTED.

85% FROZEN, UNQUOTED.

75% FRESH, UNQUOTED.

75% FROZEN, UNQUOTED.

65% FRESH, UNQUOTED.

65% FROZEN, UNQUOTED.

BULL 92-94, UNQUOTED.

CAF NORTHEAST AREAS

90% FRESH, 14 LOADS, RANGE 132.5, WT AVG 132 50

90% FROZEN, UNQUOTED.

85% FRESH, UNQUOTED.

85% FROZEN, UNQUOTED.

75% FRESH, UNQUOTED.

75% FROZEN, UNQUOTED

65% FRESH, UNQUOTED.

65% FROZEN, UNQUOTED.

**ABCDE AFTER QUOTES REPRESENTS DAYS SINCE LAST ACTUAL MARKET TEST. QUOTES ARE DROPPED AFTER 5 DAYS OF NOT TEST OR BEFORE IF THEY NO LONGER REFLECT CURRENT MARKET CONDITIONS.

Four States Livestock

Hagerstown, Md.

Wednesday, Dec. 12, 1990

Report supplied by Auction

SLAUGHTER COWS: UTILITY 48.00-52.00; HIGH DRESSING 52.00-55.00; CANNERS 44.00-48.00; SHELLY 44.00 DOWN.

BULLS: 1200-1900 LBS. YG#1 59.00-62.00; YG#2 53.00-58.00.

FED STEERS: HIGH CHOICE TO PRIME 1200-1400 LBS. 80.00-84.25; SELECT TO LOW CHOICE 68.00-78.00; STANDARD HOLSTEINS 54.00-58.00.

FED HEIFERS: LOW CHOICE 1000 LBS. UP TO 67.00; CHOICE #4 62.00-66.00.

VEAL CALVES: CHOICE 180-250 LBS. UP TO 107.00; GOOD 130-150 LBS. 80.00-94.00; CULLS 80-110 LBS. 42.00-48.00; 50-80 LBS. 35.00-40.00; WEAK AND ROUGH 35.00 DOWN.

FARM CALVES, HOLSTEIN BULLS: #1 90-125 LBS. 100.00-121.00; #2 80-100 LBS. 70.00-100.00; HOLSTEIN HEIFERS 90-125 LBS. 107.00-137.00; BEEF X BULLS UP TO 145.00.

BUTCHER HOGS: #1 AND 3 220-260 LBS. 46.50-47.50; 260-280 LBS. 42.00-47.00; 280-375 LBS. #1 AND 3 47.00-50.00; 2'S AND 3'S 35.00-43.00.

SOWS: 400-700 LBS. #1 AND 2 40.00-47.50; #1 AND 3 36.00-38.00.

BOARS: 33.75-34.75.

STOCK CATTLE: STEERS, 200-400 LBS. 80.00-92.00; 400-600 LBS. 79.00-98.00; 600-700 LBS. 72.00-90.00; 700-800 LBS. 68.00-80.00; 800-950 LBS. 62.00-73.00.

HEIFERS: 300-500 LBS. 68.00-80.00; 500-700 LBS. 68.00-78.00; 700-850 LBS. 60.00-68.00.

BULLS: 300-500 LBS. 78.00-93.00; 500-700 LBS. 68.00-85.00; 700-900 LBS. 62.00-66.00.

DAIRY REPLACEMENTS: LARGE 900.00-1060.00; FRESH 800.00-850.00; BRED UP TO 675.00.

LAMBS: CHOICE 120-130 LBS. 45.00-48.50; 80-95 LBS. 50.00-51.00.

GOATS: MEDIUM AND LARGE 50.00-64.00.

PIGS AND SHOATS: BY THE HEAD, 15-25 LBS. 19.00-29.00; 30-50 LBS. 28.00-43.00; 50-60 LBS. 48 00, BY THE POUND, 1 LOT 109 LBS. AT 50.50.

STOCK BOARS: 215-300 LBS. 38.00-39.75.

NEXT WED., DEC. 19, DAIRY CONSIGNMENT SALE. ALREADY PROMISED A REGISTERED HOLSTEIN BULL, 22 UNSOLD SIRE ENHANCER SON, DAM THE DREAM COW, 28,550 LB. MILK, 998 LB. FAT. ALSO SEVERAL BIG STRONG SPRINGERS. ALSO 12 HOLSTEIN FAT STEERS, 1400 LBS.

Westminster Livestock Auction

Hagerstown, Md.

Tuesday, Dec. 11, 1990

Report supplied by auction

SLAUGHTER COWS: UTILITY 49.00-53.50; HIGH DRESSING 54.00-56.00; FEW 57.00-60.00; CANNERS 45.00-49.00; SHELLY 45.00 DOWN.

BULLS: YG#1 1400-1600 LBS. 59.00-65.50; YG#2 55.00-59.00; 1 CHOICE BULLOCK 1375 LBS. AT 67.25.

FED STEERS: HIGH CHOICE 1000-1250 LBS. 79.00-83.75; LOW CHOICE 73.50-78.00; SELECT 66.00-73.00; STANDARD 57.00-65.00.

FED HEIFERS: HIGH CHOICE 900-1050 LBS. 70.00-76.25; SELECT 62.75.

VEAL CALVES: CHOICE 140-300 LBS. 88.00-93.00; GOOD 75.00-85.00; CULLS 80-110 LBS. 41.00-47.00; 50-80 LBS. 36.00-41.00; WEAK AND ROUGH 35.00 DOWN.

FARM CALVES, HOLSTEIN BULLS: #1 95-125 LBS. 105.00-123.00; #2 80-100 LBS. 70.00-105.00.

HOLSTEIN HEIFERS: 90-130 LBS. 110.00-130.00; BEEF X BULLS 85.00-132.00.

BUTCHER HOGS: #1 AND 2 230-260 LBS. 49.00-55.50; #1 AND 3 215-260 LBS. 46.50-48.00; 280-350 LBS 51.00-53.00; 360-450 LBS. 45.00-46.00; #2 AND 3 260-350 LBS. 39.00-44.00.

SOWS: 350-700 LBS. 36.00-38.50; THIN 33.00-35.00.

BOARS: 34.50-35.25.

STOCK CATTLE, STEERS: 300-600 LBS. 84.00-94.00; 600-800 LBS. 72 00-79.00; 800-900 LBS. 72.00-78.50; 900-1050 LBS. 69.00-77.00.

HEIFERS: 250-300 LBS. 72.00-82.00; 500-600 LBS. 70.00-81.00; 600-800 LBS. 57.00-68.00.

BULLS: 200-400 LBS. 75.00-86.00; 400-600 LBS. 70.00-85.00; 600-800 LBS. 62.00-72.00; 800-900 LBS. 61.00-67.00.

LAMBS: CHOICE 80-110 LBS. 50.00-53.50; 60-80 LBS. 60.00-71.00; 40-60 LBS. 70.00-83.00; GOOD 80-110 LBS. 42.00-49.00; 50-80 LBS. 50.00-56.00.

SHEEP: 17 00-27 00

GOATS: LARGE 65.00-94.00; MEDIUM 40.00-62.00; SMALL 20.00-36.00.

PIGS AND SHOATS: BY THE HEAD, SMALL UP TO 21.00; 35-50 LBS. 36.00-46.00; 50-70 LBS. 40.00-55.00, BY THE POUND, 60-90 LBS. 58.00-65 00; 100-140 LBS. 43.00-51.00, 150-170 LBS. 42.00-48.L00.

STOCK BOARS: 200-260 LBS. 38.00-40.00.

Isennock Auction

New Park, PA

Monday, Dec. 10, 1990

Report supplied by auction

SLAUGHTER COWS: FEW 49.00 AND DOWN.

VEAL CALVES: 145-190 LBS. 65.00-68.00; 100-115 LBS. 90.00-111.00; 90-95 LBS. 80.00-105.00; 75-85 LBS. 62.00-78.00; WEAK AND ROUGH 50.00 AND DOWN.

FEEDER CATTLE: 1 STEER AT 750 LBS. 63.00; HEIFERS 750-855 LBS. 54.25-64.75; BULLS 600-860 LBS. 64.00.

BULLS: 1 AT 1930 LBS. 67.00.

SOWS: 500-670 LBS. 38.00-40.75; 405-450 LBS. 37.00-37.50; ROUGH 36.00 AND DOWN.

BOARS: 360-660 LBS. 33.00-36.00.

HOGS: HEAVY UP TO 300 LBS. 40.75-45.75.

FEEDER PIGS: 33-36 LB. AVG. 28.50-30.50 HEAD.

GOATS: MEDIUM 40.00-56.00 HEAD.

MANAGERS
Norman & David Kolb - 717-397-5538

Field Representatives
Luke Eberly - 215-267-6608
738-1865
Homer Eberly - 215-267-3047

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Every Buyer Gets A Ham

SPECIAL CHRISTMAS SALE

WED., DEC. 19, 1990

2 Load Top Purebred and Grade Cows

From Franklin And Bradford Counties Includes:
* 1) 3 Year Old Elevation Milking Over 14,000 With A 3.4 Test Due To Chairman. Dam Has Over 30,000M 1150 F.
* 1) 3 Year Old Gabler Daughter Milking Over 19,000 With A 3.9 Test. Some Cows Milking 70 To 90 Lbs. Per Day- Marvin Eshleman.

1 Top Load Purebred And Grade Cows

New York State And Susquehanna County, Fresh And Springers- Alfred Albright.

1 Top Load Western Pennsylvania Cows

Purebreds And Grades, Fresh And Springers. This Is A Top Load Of Cows- Robert And David Kennedy.

1 Top Load Wisconsin Cows

Fresh, Purebred And Grades. Some Cows Milking 75 To 95 Lbs. Per Day- Dale Hostetter.

1 Load New York State Cows

Purebred And Grades, Fresh And Springers. Top Load Of Cows- Leroy Smucker.

18 Head 1st Calf Heifers

Vaccinated, Due January Consigned By David Wolf.

30 Head Of Vaccinated AI Sired Heifers

Due After The 1st Of The Year- Harold Myer, Lebanon County.

34 Head Cow Herd Of 1st Calf Heifers

From Potter County. 31 Have Calved Since 4th Of August. These Are AI Sired By Sire Power Bulls. Averaging 60 Lbs. Per Head In The Tank, 3.8 To 3.9 Butterfat Test At Creamery- Alfred Albright.

8 Vaccinated AI Sired

Breeding Age Heifers From One Herd.

HORSE SALE FRI., JAN. 4, 1991 Tack 9:00 A.M. Sale 10:00 A.M.

Special Sales Schedule For The Christmas Season

Monday, December 24

8:00 A.M. Regular Slaughter Hog Sale
No Horse Sale
No Beef Sale

Wedesday, December 26

No Dairy Sale
1:30 P.M. Feeder Pig Sale

Thursday, December 27

10:00 A.M. Beef Auction
1:30 P.M. Sheep, Goats, Calves

Week Of Dec. 31- Regular Schedule Will Resume.

Note: These Time Changes Starting Jan. 1, 1991

Thurs.- Sheep, Goats, Calves- 12:30 P.M.
Mon.- Slaughter Hog Sale 8:00 A.M.

Keister's Middleburg Auction

Middleburg, PA
Dec. 11, 1990

CATTLE 417...REPORT IS SUPPLIED BY THE AUCTION...Compared with last weeks market: High Choice & Prime slaughter steers 83.00-87.50, Choice 77.00-83.00, Select 72.00-76.75; High Choice & Prime Holsteins 72.00-75.75, Choice 67.00-71.75, Select 62.50-66.75. Choice sl. heifers 76.00-81.75, Select 68.00-75.75, Standard 62.00-67.75. Breaking Utility & Commercial sl. cows 50.00-54.75, few beef cows to 60.00, Cutter & Boning Utility 48.00-53.75, Canner & low Cutter 45.00-47.75, Shells down to 38.00. Select sl. bullocks 64.00-70.75. Yield Grade No. 1, 800/2240 lbs. sl. bulls 56.00-66.75. Feeder Cattle: 400/900 lbs. steers 52.00-84.00. Heifers 350/825 lbs. 55.00-81.00. 300/910 lbs. bulls 52.00-82.50.

CALVES 203...Prime vealers 118.00, Choice 96.00-114.00, Good 60/90 lbs. 40.00-55.00 Standard & Good 90/110 lbs. 55.00-75.00. Farm Calves: Holstein bulls No. 1, 90/120 lbs. 100.00-145.00; Hol. Heifers 85/125 lbs. 85.00-160.00.

HOGS 210...US No. 1, 230/250 lbs. barrows and gilts 48.50-49.75, 1-2 220/250 lbs. 48.00-48.75, 2-3 200/250 lbs. 47.00-48.00, 2-4 190/270 lbs. 43.00-47.00.

US No. 1-3 280/650 lbs. sows 37.00-39.00, light weight 45.00.

FEEDER PIG 295...US No. 1-3 20/35 lbs. feeder pigs 33.00-42.00, 35/60 lbs. 42.00-53.00 --- all per head.

SHEEP 94...Choice 90/110 lbs. wool slaughter lambs 50.00-58.00, 30/45 lbs. 150.00-185.00, Good 40/80 lbs. 40.00-65.00, 30/45 lbs. 45.00-95.00. Slaughter ewes 20.00-28.00 - all cwt.

GOATS 24...Large 50.00-105.00, Small 30.00-65.00 --- all per head.

Eighty-Four Livestock

Eighty-Four, PA
Dec. 10, 1990

CATTLE 284...PDA... Few Select slaughter steers 70.00-74.00, Standard 63.00-66.00. Few Choice sl. heifers 73.00-77.50, Select 67.00-71.00, few Standard 61.00-64.00. Breaking Utility & Commercial sl. cows 50.00-54.00, Cutter & Boning Utility 45.50-50.50, Canner & Low Cutter 38.00-45.00, Shells down to 19 00. Yield Grade No. 1, 1400/1600 lbs. sl. bulls 60.00-62.00, few No. 2, 1000/1400 lbs. 49.00-53.00. Feeder Cattle: Medium Frame No.1, 380/600 lbs. steers 80.00-102.00, Large Frame No. 2, 950/1050 lbs. Holsteins 63.00-65.00. Medium and Large Frame No.1, 500/700 lbs. heifers 74.00-78.00. Medium Frame No. 1, 450/650 lbs. bulls 79.00-85.00, Small Frame No. 1, 320/500 lbs. 75.00-78.00.

CALVES 169...Few Choice vealers 108.00-115.00, few Good 85.00-98.00, Standard & Good 90/120 lbs. 45.00-50.00, 60/85 lbs. 38.00-45.00, Utility 45/55 lbs. 30.00-36.00. Farm Calves: Hol. Bulls #1, 90/125 lbs. 90.00-130.00; No. 1, 85/120 lbs. Hol. Heifers 75.00-95.00.

HOGS 135...US No. 1-2 230/260 lbs. barrows and gilts 46.50-47.00, 1-3 225/260 lbs. 45.50-46.00, lot 2-3 205 lbs. 44.25, 1-3 105/170 lbs. 42.00-43.00. US No. 1-3 300/500 lbs. sows 40.00-42.00. Boars 34.00-36.50.

FEEDER PIGS 25...US No. 1-3 30/40 lbs. feeder pigs 25.00-32.50, lot 55 lbs. 44.00 --- per head.

SHEEP 280...High Choice & Prime 90/108 lbs. sl. lambs 48.00-49.50, Choice 90/100 lbs. 42.00-47.00; Good & Choice 55/85 lbs. feeder lambs 45.00-52 50. Slaughter sheep 13.00-18.00.

GOATS 20...Large 48.00-55.00, Small 19.00-25.00 --- all per head.

Mercer Livestock

Mercer, PA
Dec. 11, 1990

CATTLE 245...PDA...Choice slaughter steers 78.50-83.00, low yielding down to 75.00, Select 74.00-78, high yielding up to 80.00, Standard 66.00-72.00. Choice 75.50-80.00, Select 71.00-75.00. Breaking Utility & Commercial sl. cows 49.00-53.00, one 54.25, Cutter & Boning Utility 46.00-50.00, Canner & low Cutter 36.50-46.00, Shells down to 22.00. Few Yield Grade No. 1, 1200/1680 lbs. sl. bulls 55.75-68.25. Feeder Cattle: Medium No. 1, 400/600 lbs. steers 75.00-83.50, 650/900 lbs. 69.00-76.00; Medium #1, 350/700 lbs. heifers 66.00-78.00. Medium Frame No. 1, 330/620 lbs. bulls 76.00-85.00.

CALVES 88...Individual Choice vealer 102.00, Standard and Good 90/120 lbs. 45.00-54.00, 60/85 lbs. 35.00-45.00, Utility 45/50 lbs. 29.00-34.00. Farm Calves: No. 1, Holstein Bulls 90/130 lbs. 90.00-126.00, No. 2, 56.00-80.00. Few Hol. Heifers 90/120 lbs. 100.00-156.00.

HOGS 122...US No. 1-2 220/250 lbs. barrows and gilts 51.00-52.00, 1-3 225/245 lbs. 49.00-50.50, 2-3 220/260 lbs. 48.00-48.75, few 300/340 lbs. 47.00-47.50, lot 1-3 187 lbs. 40.00. One US No. 1-3 440 lbs. 50.00, few 2-3 400/600 lbs. 41.00-46.00. One Boar 30.00-44.00.

FEEDER PIGS 4.. Market not established - per head.

SHEEP 0... - all cwt.

GOATS 0... --- all per head.

Valley Livestock

Athens, Pa.
Monday, Dec. 10, 1990
Report supplied by auction

HOLSTEIN HEIFER CALVES TO 167.50.

VEAL CALVES TO 92.00.

VEALER BULL CALVES 110.00-137.50.

SLAUGHTER CALVES 58.00 AND DOWN.

GRASSERS & FEEDERS 46.00-75.00.

LAMBS 42.00-55.00, NEW CROP TO 125.00.

SHEEP 15.00-26.00.

HOGS 200 TO 250 LBS. 50.00-58.00.

SOWS 38.00-42.00.

BOARS 36.00-42.00.

NO GOOD PIGS.

HEIFERS 44.00-59.25.

MEDIUM STEERS 50.00-67.00.

FEEDER STEERS 55.00-80.00.

BULLS 52.00-63.00.

GOOD COWS 47.00-53.00.

COWS MEDIUM 43.00-46.00.

COWS POOR OR SMALL 42.00 AND DOWN.

CATTLE MARKET GOOD.

CALF MARKET STEADY.

HORSES SMALL TO 250.00.

NO PONIES.

GOATS TO 65.00.

HOLIDAY SALES WED., DEC. 26, AND WED., JAN. 2

Belknap Livestock

Dayton, PA
Dec. 12, 1990

CATTLE 90...PDA...Compared with last weeks market: Individual Select slaughter steer 69.75, few Standard 61.75-66.75. Individual Select sl. heifer 66.75. Few Breaking Utility and Commercial sl. cows 50.00-51.00, Cutter and Boning Utility 45.00-50.25, Canner and low Cutter 37.50-45.00, Shells down to 34.00. Couple Yield Grade No. 1, 1575 & 1230 lbs. sl. bulls 55.00&60.00, one No. 2, 1305 lbs. 54.00. FEEDER CATTLE: Medium & Large Frame No. 1, 370/460 lbs. steers 85.00-100.50, 525/720 lbs. 75.25-83.75. Medium & Large Frame No. 1, 525/880 lbs. heifers 62.00-70.50, one 75.75. Few Medium & Large Frame No. 1, 595/740 lbs. bulls 69.50-74.00.

CALVES 105...Individual Choice vealer 100.00, Standard and Good 55/110 lbs. 40.00-50.00, few Utility 50/60 lbs. 35.00-38.00. Farm Calves: No. 1, Holstein Bulls 90/125 lbs. 86.00-125.00, 80/95 lbs. 70.00-85.00, No. 2, 90/110 lbs. 50.00-80.00; few No. 1, Hol. Heifers 90/105 lbs. 112 00-151.00, few 65/90 lbs. 51.00-80.00. Beef cross 80/110 lbs. bulls & heifers 55.00-115.00.

HOGS 211...Barrows amd gilts .50 to .75 higher. US No. 1-2 240/250 lbs. 48.00-48.10, lot 49.50, 1-3 220/280 lbs. 47.00-48.00, lot 48.70, 2-3 255/270 lbs. 46.00-47.10, lot 285 lbs. 44.00, lot 2-4 325 lbs. 42.60, lot 1-3 205 lbs. 44.30, lot 215 lbs. 43.00. Sows: steady. US No. 1-3 310/625 lbs. sows 38.00-41.25. Boars 28.00-37.00.

FEEDER PIGS 142...Lot US No. 1-3 15 lbs. feeder pigs 17.00, 25/35 lbs. 28.00-34.50, 40/50 lbs. 35.50-41.00, 2-3 40/55 lbs. 20.00-27.00 - all per head

SHEEP 18...Couple Choice 85 lbs. wool slaughter lambs 44.50, one 65 lbs 72 00, few Good and Choice 40/65 lbs. feeder lambs 38.00-50.00, few Slaughter sheep 12.00-20.00 - all Cwt.

GOATS 0.. - per head.

Lebanon Valley Livestock

Fredericksburg, PA
Dec. 11, 1990

CATTLE 153...PDA... Supply included 128 slaughter cows ...Compared with last Tuesday's market: Slaughter cows mostly steady to .25 lower. Two Standard slaughter steers 65.00&67.25. Individual Select sl. heifer 61.75, few Select Holsteins 59.25-64.75, one Standard 53.00, two Utility 42.00&49.00. Breaking Utility & Commercial sl. cows 52.00-54.50, few 58.75, few low dressing down to 50.50, Cutter & Boning Utility 47.00-52.75, few 55.25, low dressing down to 43.25, Canner & Low Cutter 42.00-47.00, low dressing down to 38.00, Shells down to 31.75, few low dressing beef breed down to 25.00. Two Select sl. bulls 60.00&60.50, few Standard 52.75-56.00. Few Yield Grade No. 1, 1270/1935 lbs. sl. bulls 60.25-65.25, one low dressing down to 57.75. Feeder Cattle: One Lot Small and Medium Frame No. 1, 565 lbs. bulls 67.50.

CALVES 181...Vealers uneven. One Good 230 lbs. 65.00, Standard & Good 70/110 lbs. 40.00-48.00, Utility 45/85 lbs. 35.00-41.00. Farm Calves: Hol. Bulls No. 1, 85/125 lbs. 91.00-130.00, No. 2, 80/110 lbs. 51.00-90.00; No. 1, Hol. Heifers 85/120 lbs. 92.00-139.00. Few Beef cross 90/115 lbs. bulls and heifers 54.00-100.00.

HOGS 193...Small Supply barrows and gilts unevenly steady.. Lot US No. 1-3 225 lbs. barrows and gilts 48.75, lot 1-3 230 lbs. 48.75, 2-3 225/250 lbs. 47.75-48 00, few 215/240 lbs. 46.00, lot 275 lbs. 42.00, 1-3 190/192 lbs. 42.00-43 75. Sows: Sows steady to 2.00 higher. US No. 1-3 330/620 lbs. sows 40.00-43.75, few 44.50, few 2-3 330/665 lbs. 38.26-40.00, few Medium 220/425 lbs. 25.00-37.00. Two Boars 38.00, few light weights 32.75-37.25.

FEEDER PIGS 2... - Cwt.

SHEEP 2...One Choice 60 lbs. new crop lamb 65.00; Yearling 125 lbs. 28.00 - all cwt.

GOATS 0... - all per head.

Frederick Livestock Auction

Frederick, Md.
Monday, Dec. 10, 1990
Report Supplied by Auction

SLAUGHTER COWS: UTILITY 49.00-54.00; HIGH DRESSING 54.00-56.00; 3 HEAD 57.00-59.50; CANNERS 46.00-50.00; SHELLY 45.00 DOWN.

BULLS: YG#1 1665 LBS. AT 62.00; YG#2 54.00-59.00.

FED STEERS: LOW CHOICE 1000-1125 LBS. 76.00-78.50; 1 1560 LB. AT 72.75; SELECT 64.00-72.00.

FED HEIFERS: CHOICE HOLSTEIN 1355 LBS. AT 65.75; LOW CHOICE 815 LBS. AT 69.00.

VEAL CALVES: CHOICE 190 LBS. AT 92.00; GOOD 300-450 LBS. 82.00-85.00; STANDARD 64.00-65.00; CULLS 80-110 LBS. 40.00-47.00; 50-80 LBS. 35.00-40.00; WEAK, ROUGH, THIN 35.00 AND DOWN.

FARM CALVES: HOLSTEIN BULLS #1 95-130 LBS. 105.00-123.00; #2 80-100 LBS. 60.00-100.00.

HOLSTEIN HEIFERS: 90-125 LBS. 120.00-150.00; BEEF X BULLS 85.00-140.00; HEIFERS 102.00.

BUTCHER HOGS: #1 AND 3 220-260 LBS. 45.00-46.00; 245-265 LBS. 48.50-50.00; 5 HEAD 320-375 LBS. 50.00-54.00; #2 AND 3 370-350 LBS. 38.00-41.00.

SOWS: #1 AND 3 400-700 LBS. 38.00-39.50; THIN 32.00-37.00.

BOARS: UP TO 35.00.

STOCK CATTLE, STEERS· 700-825 LBS. 71.00-82.00; 900-1000 LBS. 62.00-72.00.

HEIFERS: 500-700 LBS. UP TO 75.00; 700-850 LBS. UP TO 67.00

BULLS: 1 795 LB. AT 61.00.

DAIRY REPLACEMENTS: LARGE FRESH 935.00-1110.00; SMALL FRESH AND SPRINGERS 550.00-600.00.

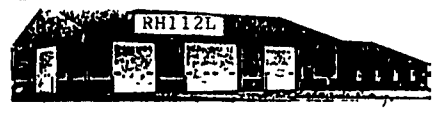
LAMBS: GOOD AND CHOICE 80-100 LBS. 47.00-51.00; 50-70 LBS. 56.00-61.00; MEDIUM AND GOOD 39.00-45.00.

SHEEP: 16.00-20.00.

GOATS: MEDIUM UP TO 66.00; SMALL 30.00.

PIGS AND SHOATS, BY THE HEAD. 20-30 LBS 17.00-27 00; 35-45 LBS. 37 00-41.00; 10 HEAD 50 LBS. AT 46.50.

BY THE POUND, 80-100 LBS 49.00-57 00.



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1990-91 SPECIAL SALES

SAT. DEC. 15	9:30 A.M.	Real Estate and Household Goods at 2108 Lyndell Drive, 2 Miles East Of Lancaster Just South Of Route 23 For Esther V. Kolb, Owner. (On The Premises).
MON. DEC. 17	4:00 P.M.	Equipment and Supplies of Modern Service Station in Possession of Blue Ball National Bank.
1991 TUES. JAN. 22 WED. JAN. 23	9:00 A.M.	Quilts, Crafts and Buggy Sale (Buggies Sell Tues. At 1:00 P.M.)
FRI. MORNING JAN. 11		Farm Show Sale, Harrisburg, Pa. Sheep, Swine, Steers.
FRI. FEB. 8	9:00 A.M.	Farm Equipment and Supplies.
SAT. FEB. 16	10:00 A.M.	Mules and Farm Equipment ½ Mi. Northwest Of Little Britain For Amos F. Miller (On The Premises)
TUES. FEB. 19	9.00 A.M.	Livestock And Farm Equipment Located ½ Mile South Of Nickle Mines, 1 Mile North Of Rt. 896 From Georgetown, Lanc. Co. For Mrs. Jonas King And Reuben B. Fisher. (On The Premises)
TUES. MAR. 5	9.00 A.M.	Dairy Cows and Farm Equipment 3 Miles South of Strasburg Along Eisenberger Road for Levi S. Fisher (On The Premises)
SAT. MAY 4	9:00 A.M.	Large Collection of Toy Trains and Toy Railroad Items From 1940's To Present. Many Hard To Find Pieces For Gary Martin, Owner.

DECEMBER 1990

S	M	T	W	T	F	S
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JANUARY 1991

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FEBRUARY 1991

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MARCH 1991

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MAY 1991

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19	20	21	22	23	24	25
26	27	28	29	30	31	-
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THE OLD FARMER'S ALMANAC

DEC. 17-23, 1990

Winter Solstice, Dec. 21.

Dec 17, 1903, the air age is born when Wilbur and Orville Wright make the first successful airplane flights at Kitty Hawk, North Carolina Dec 18, 1839, the first celestial photograph, a daguerreotype of the moon, is taken by John William Draper of New York City Dec 20, 1820, Missouri levies a $1 per year bachelor tax on all unmarried men between the ages of 21 and 50 *Where there is marriage without love, there will be love without marriage*

Ask the Old Farmer: I purchased an old perfume bottle that has a whitish milky stain on the inside Any suggestions as to how to clean it? W E , Mass

Fill it with water and drop in a denture cleaning tablet Let it sit a few hours, then rinse Or fill with ammonia and a little sand, shake well, and rinse

Home Hints: Keep leftover tomato paste fresh and usable by pouring a little salad oil over it before refrigerating

OLD FARMER'S WEATHER FORECAST

New England: A cold snap and clear skies start the week By midweek it's raining, with snow in the mountains, then milder Clear and very cold on the weekend

Greater New York-New Jersey: A cloudy and unseasonably cold beginning, with a snowstorm arriving midweek to herald the solstice Then clearing, with cold nights

Middle Atlantic Coastal: A cold start this week With midweek comes rain, snow in the west, and more seasonable temperatures The weekend is sunny and cold

Piedmont & Southeast Coastal: The week begins cloudy and cold with snow in the west Midweek brings milder weather and rain, but there's a sunny finish

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New Wilmington Livestock

N. Wilmington, PA

Dec. 10, 1990

CATTLE 294...PDA...Compared with last weeks market: Slaughter cows .50 to 1 00 higher. Two Choice slaughter steers 79 00 & 80 00, Select 71.75-76.75, few Standard 65.00-72.00, few Select Holsteins 69.50-71.00 One Choice sl. heifer 76 75, few Select 66.75-70.50, few Standard 59.00-62.00. Breaking Utility & Commercial sl. cows 49.50-53.25, two 55.00 & 56.00, low yielding to 48.00, Cutter & Boning Utility 46.00-50.50, few high dressing 52.00, Canner & Low Cutter 35.00-46 00, Shells down to 23.25. One Standard bullock 62.25. Few Yield Grade No. 1, 1315/1765 lbs. sl. bulls 56.00-62.00. Feeder Cattle: Medium & Large Frame No 1, 300/550 lbs. steers 75.00-91.50, One 99 00, 675/885 lbs. 65.00-76.00. Few Medium & Large Frame No. 1, 360/500 lbs. heifers 76.00-86.50, few Large Frame No. 2, 600/1080 lbs. Holsteins 44.75-57.00. Medium and Large Frame No. 1, 465/685 lbs. bulls 65.00-72.75, 780/985 lbs. 53.50-60 75.

CALVES 242...One Prime vealer 120.00, few Choice 110.00-117.50, few Good 80.00-90.00, Standard & Good 90/130 lbs. 40.00-52.00, 60/85 lbs. 30.00-48.00, Utility 50/130 lbs. 30.00-35.00, few down 14.00. Farm Calves: Hol. Bulls No. 1, 85/135 lbs. 90.00-127.00, lot 80 lbs. 60.00, #2, 90/120 lbs. 54.00-77.50; No. 1, Hol. Heifers 90/140 lbs. 100.00-132.50, 75/85 lbs. 65.00-80.00. Beef cross 80/160 lbs. bulls & heifers 110.00-182.50, one 205.00, few down 77.00.

HOGS 319...Barrows and gilts 3.00 to 5.00 higher. US No. 1-2 215/255 lbs. 50.75-53.00, 1-3 215/275 lbs. 48.00-50.25, lot 51.25, 2-3 265/300 lbs. 44.50-46.00, 1-3 180/210 lbs. 42.00-48.00. Sows: 2.50 to 3.50 lower. US No. 1-3 290/585 lbs. sows 37.00-42.00, few 2-3 340/550 lbs. 34.00-36.50. Boars 32.00-35.00.

FEEDER PIGS 12. .US No. 1-3 30/40 lbs. feeder pigs 25.00-40.00, 40/50 lbs. 40.00-47.00 --- all per head.

SHEEP 106...High Choice and Prime 90/120 lbs. wool slaughter lambs 48.00-51.00, lot 63.00, Choice 65/80 lbs. 56.00-66.00, lot 74.00, 85/105 lbs. 46.00-50.00; Good & Choice 55/80 lbs. feeder lambs 44.00-56.00 - all cwt. Few Slaughter sheep 7.00-16.00.

GOATS 11...Large 48.00-61.00, few Medium 37.00-44.00 --- all per head.

Frederick Co. Hay

Buckeystown, Md.

Thursday, Dec. 13, 1990

Report Supplied by Auction

50 LOADS. WEATHER CLOUDY; MARKET WEAKER, DEMAND SLOW.

ALFALFA: 2 LOADS GOOD, 106.00-130.00, 1 LOAD DARK 50.00.

ALFALFA MIX: 1 LOAD GOOD, 102.00. 2 LOADS FAIR 104.00-67.00.

TIMOTHY: 5 FAIR TO GOOD, 80.00-102.00, 5 FAIR, SOME BIG BALES, 50.00-62.00.

MIXED HAY: 4 LOADS FAIR, 51.00-60.00, 1 GOOD.

ORCHARD GRASS: 1 LOAD GOOD, 87.00; 1 LOAD FAIR, 54.00.

CLOVER MIX: 2 LOADS GOOD, 70.00-72.00.

STRAW: 7 LOADS FAIR TO GOOD, 60.00 AND 75.00, 5 LOADS DARK, 53.00-55.00.

FIREWOOD: 11 LOADS SPLIT OAK, 71.00-85.00 CORD.

MIXED LOAD: 3 LOADS, 52.00-67.00 CORD.

CHRISTMAS PARTY DEC. 20, 10 A.M. SHARP.

Belleville Livestock

Belleville, PA

Dec. '2, 1990

CATTLE 175...REPORT IS SUPPLIED BY THE AUCTION...Compared with last Wednesday's market: Select slaughter steers 64.60-68.00, Standard 61.00-63.75. Select sl. heifers 57.00-59.25, Standard 52.60-56.50. Breaking Utility and Commercial slaughter cows 50.00-53.50, Cutter and Boning Utility 48.60-50.50, Canner and Low Cutter 42.00-47.50, Shells down to 35.50. Yield Grade No. 2, slaughter bulls 52.00-55.50.

CALVES 115...Good vealers 47.00-56.00, Standard and Good 40.00-46.50. FARM CALVES: Holstein bulls, No. 1, 95/110 lbs. 100.00-130.00.

HOGS 212...Barrows and gilts: US No. 1-2 210/250 lbs. 48.00-48.75, 1-3 200/270 lbs. 46.00-47.75. US No. 1-3 sows 39.50-40.50, 2-3 35.00-39.00. Boars 35.00-36.00.

FEEDER PIGS 130...US No. 1-3 30/40 lbs. feeder Pigs 28.00-41.00, 40/50 lbs. 42.00-55.00 --- all per head.

SHEEP 71...High Choice & Prime wool slaughter lambs 52.00-69.00, Choice 45.00-51.50, Good 40.00-45.00. Slaughter sheep 18.00-36.00 - all Cwt.

Peoria Cattle

Peoria, IL

Dec. 13, 1990

CHOICE GRADE SLAUGHTER STEERS AND HEIFERS .50 TO MOSTLY 1.00 HIGHER. MIXED SELECT AND CHOICE MOSTLY STEADY. AT THE AUCTION SLAUGHTER COWS STEADY TO 1.00 LOWER. BULLS MOSTLY STEADY. SUPPLY MAINLY SELECT TO AVERAGE CHOICE SLAUGHTER STEERS AND HEIFERS WITH ABOUT 15% COWS FOR AUCTION. RECEIPTS THIS WEEK ABOUT 1200 AS COMPARED WITH 2004 A WEEK AGO AND 1742 A YEAR AGO.

SLAUGHTER STEERS: CHOICE 2-4 1050-1350 LBS. 79.50-82.00 TWO LOADS 1250 LBS. 82.50 MIXED SELECT & CHOICE 2-3 1000-1300 LBS. 75.50-79.50 SELECT 2-3 900-1200 LBS. 71.00-75.50

SLAUGHTER HEIFERS: CHOICE 2-4 950-1200 LBS. 78.00-81.00 MIXED SELECT & CHOICE 2-3 900-1100 LBS. 74.00-78.00 SELECT 2-3 800-1100 LBS. 70.00-74.00

COWS: BREAKING UTILITY AND COMMERCIAL 2-4 49.00-55.00 CUTTER AND BONING UTILITY 1-3 48.50-54.00 CANNER AND LOW DRESSING CUTTER 1-2 40.00-48.00

BULLS: YG 1-2 1350-2250 LBS. 58.00-63.75

FEEDER CATTLE: FEEDER STEERS: LOT MEDIUM FRAME #1 500 LBS. 91.75

FEEDER HEIFERS: LOT MEDIUM FRAME #1 475 LBS. 86.25

NOWHERE ELSE IS SO LITTLE FAT AND SO MUCH LEAN MUSCLE AVAILABLE IN A SINGLE BOAR

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4. Results From Central Test Stations Have Shown Our Boars To Sire Leaner And Heavier Muscled Offspring Than Their Contemporaries.
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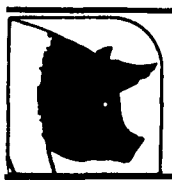

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20% DISCOUNT
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Payment must be made at time of order.
Delivery after March 1, 1991.

With any purchase over **$500.00**
RECEIVE 1 free mileage trip
or
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Come in, place your order and celebrate the holidays with us with free coffee, punch and cookies.

If you cannot visit us in person, you may place your order by phone on these two days. Payment must be postmarked by **December 31, 1990** and dated no later than **January 2, 1991.**

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Merry Christmas

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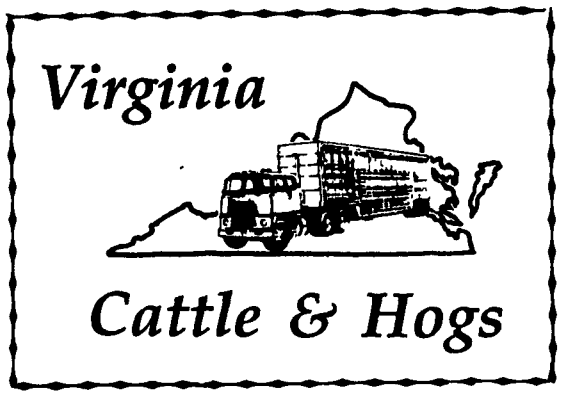

Virginia Weekly

Dec. 13, 1990

MARKETS IN REVIEW; DEC. 6-12, 1990. FEEDER STEERS AND HEIFERS IN VIRGINIA WERE MIXED $1.00 HIGHER TO $3.00 LOWER AS MIDWEST PRICES WERE $4.00-8.00 LOWER.

SLAUGHTER STEERS AND HEIFERS IN VIRGINA WERE 50 CENT HIGHER AS MIDWEST PRICES WERE $1.50 HIGHER.

COWS AND BULLS IN VIRGINIA WERE STEADY TO $3.50 HIGHER AS MIDWEST PRICES WERE 50 CENT TO $1.00 HIGHER. BEEF PRODUCTION WAS 1% BELOW A WEEK AGO AND 8% BELOW A YEAR AGO. AVERAGE DRESSED WEIGHTS WERE THE SAME AS LAST YEAR.

LAMB PRICES IN VIRGINIA WERE UNEVEN, 50 CENT LOWER TO 50 CENT HIGHER AS MIDWEST PRICES WERE STEADY. LAMB PRODUCTION WAS 1% BELOW A WEEK AGO AND 8% BELOW A YEAR AGO. AVERAGE DRESSED WEIGHTS WERE 2 POUNDS LIGHTER THAN A YEAR AGO.

SLAUGHTER HOG PRICES IN VIRGINIA WERE 50 CENT LOWER AS MIDWEST PRICES WERE UNEVEN, 50 CENT LOWER TO 50 CENT HIGHER. FRESH PORK PRICES WERE $1.00-9.00 HIGHER EXCEPT HAMS WHICH WERE $22.00-23.00 LOWER. HOG PRODUCTION WAS 3% BELOW A WEEK AGO AND 3% BELOW A YEAR AGO. AVERAGE DRESSSED WEIGHTS WERE 3 POUNDS HEAVIER THAN A YEAR AGO.

THE VIRGINIA DIRECT HOG MARKET DEC. 6-12, 1990. RECEIPTS FOR THE DIRECT HOG MARKET IN VIRGINIA FOR THE PERIOD TOTALED 4,120 HEAD COMPARED TO LAST WEEK 3,496 HEAD. THE SOUTHEAST VIRGINIA HOG MARKET CLOSED 50 CENT LOWER COMPARED TO LAST WEDNESDAY'S TRADING WITH BARROWS AND GILTS: COUNTRY POINTS LOCAL PLANT DELIVERED (30 MILE RADIUS) US 1-3 220-240 LBS 46.00-46.50 46.50-47.00 US 3-4 220-240 LBS 45.50-46.50 US 1-3 200-220 LBS 41.50-44.50 US 2-4 250-270 LBS 41.50-44.50 US 3-4 270-300 LBS 38.50-41.50 SOWS $33.00-40.00 AND BOARS $30.00 VALLEY AND NORTHERN VIRGINIA HOGS; 633 HEAD FOR THE PERIOD. US 1-3 210-250 LBS $45.75-46.50.

SLAUGHTER STEERS AND HEIFERS 1%; SLAUGHTER COWS 18% SLAUGHTER BULLS 2%, SLAUGHTER CALVES AND VEALERS 0%; FEEDER CATTLE UNDER 600 LBS 61%, OVER 600 LBS 18%

PRICE RANGES FOR VIRGINIA WEEKLY AUCTIONS

SLAUGHTER CATTLE STEERS; CHOICE 2-3 1000-1150 LBS 75.50-77.50 CHOICE 2-3 1150-1300 LBS 76.50-80.25 CHOICE 2-3 1300 LBS & OVER 75.50-80.35 HEIFERS; CHOICE 2-3 900 LBS UNDER 70.25 CHOICE 2-3 900-1100 LBS 75.50-80.50 CHOICE 2-3 1100 LBS & OVER 74.25-80.00 SLAUGHTER COWS UTILITY & COMMERCIAL COWS 44.75-58.75 SLAUGHTER BULLS BULLS - 1-2 900-1300 LBS 53.00-67.50 1-2 1300-1600 LBS 55.00-68.00 1-2 1600 LBS & OVER 54.00-66.00 SLAUGHTER CALVES AND VEALERS VEALERS - HIGH CHOICE & PRIME 100-250 LBS --- GOOD AND CHOICE 100-250 LBS --- CALVES - GOOD AND CHOICE 250-500 LBS 69.00-74.50 SLAUGHTER LAMBS HIGH CHOICE & PRIME 95-125 LBS WOOL 47.00-48.00 SLAUGHTER HOGS US 1-3 200-250 LBS 43.00-50.00 FEW 54.00-57.00 *** **FEW LOTS RETURNED FOR HOME SLAUGHTER.** SOWS US 1-3 300-500 LBS 33.00-45.00 500 LBS & OVER 37.00-43.50

FEEDER CATTLE STEERS; MEDIUM 1 HEIFERS: MEDIUM 1 200-300 LBS 95.00-114.00 300-400 LBS 75.00-90.00 300-400 91.00-106.00 400-500 78.00-91.00 400-500 80.00-97.00 500-600 70.00-84.50 500-600 82.00-93.50 600-700 70.00-80.00 600-700 78.50-90.00 700-800 70.00-77.50 700-800 75.00-85.00 800-900 63.00-69.50 800-900 71.00-81.00.

N. Virginia Livestock

Orange, VA

Dec. 12, 1990

SLAUGHTER HOGS 13 HEAD - NO TRENDS REPORTED. BARROWS AND GILTS US 1-3, 200-250 LB. 50.00 US 2-4, 250-300 LB. 45.00 - 47.00 SOWS US 1-3, 300-500 LB. 42.00 - 45.00

SLAUGHTER CATTLE 139 HEAD - NO TRENDS REPORTED.

SLAUGHTER STEERS & HEIFERS 20 HEAD STEERS SELECT 2-3, 900-1100 LB. 67.50

HOLSTEIN SELECT 1-2 1100-1500 LB. 60.00 - 65.00

HEIFERS CHOICE 2-3, 900-1100 LB. 78.00 - 80.50 CHOICE 2-3, 1100 LBS. & OVER 78.00 - 80.00 SELECT 2-3, 850-1100 LB. 70.00 - 75.00

SLAUGHTER COWS 112 HEAD COWS CUTTER & BONING UT. 1-3 47.00 - 53.00 BREAKING UT. & COMM. 2-4 47.50 - 50.75 CANNER AND LOW CUTTER 1-2 41.00 - 48.00

SLAUGHTER BULLS 7 HEAD BULLS Y.G. 1-2, 900-1300 LB. 58.00 Y.G. 1-2, 1300-1600 LB. 54.75 - 55.50 Y.G. 1-2, 1600 LBS. & OVER 54.00 - 59.50

LAMBS TOTAL RECEIPTS 24 HEAD SLAUGHTER LAMBS 1 HEAD CHOICE 85-125 LBS 40.00 FEEDER LAMBS 16 HEAD CHOICE AND FANCY 70-85 LBS 40.00 EWES & RAMS 7 HEAD EWES ALL GRADES 20.00

FEEDER CATTLE 345 HEAD - NO TRENDS REPORTED. STEERS MEDIUM 1 LARGE 1 SMALL 1 200-300 86.00- 105.50 - - 300-400 85.00- 91.00 - 80.00- 85 00 400-500 82.00- 90 00 87.00 77.00- 81 00 500-600 86.00- 93.50 - 75.00- 84.50 600-700 88.25 - - 700-800 72.00 - - HOLSTEIN STEER MED & LARGE 2 300- 500 67.00- 72.00 1100 & OVER 61.00- 62.00

HEIFERS MEDIUM 1 LARGE 1 SMALL 1 MED & LARGE 2 200-300 78.00- 82.00 - - - 300-400 75.00- 78.50 80.00- 81.00 - 74.00- 77.50 400-500 74.00- 80.00 75.50- 79.00 65.00- 73.00 68.75- 70.00 500-600 - 73.00- 80.50 67.00- 71.00 - 600-700 - 77.50 - - BULLS MEDIUM 1 LARGE 1 SMALL 1 MED & LARGE 2 200-300 91.00-100.00 - 81.00 - 300-400 90.00-101.00 - 82.00- 85.00 94.00 400-500 84.00- 89.00 80.00- 84.50 72.00- 81.00 - 500-600 - 83.00 64.50- 72.50 - 600-700 75.50 - - 67.00- 69.00 700-900 - - - - COWS RETURNED TO FARMS 39 HEAD - M-1, 4-7 YR OLD 900-1100 LBS $490.00-660.00 PER HEAD. COWS WITH CALVES AT SIDE 7 PAIR; M-1, 4-7 YR OLD 900-1150 LBS WITH CALVES NEWBORN TO 185 LBS $630.00-690.00 PER PAIR. BABY CALVES RETURNED TO FARMS 28 HEAD NEWBORN TO 4 WK OLD $55.00-105.00 PER HEAD. OVER 100 LBS $87.50-112.50 PER CWT.

Central & S.E. Virginia Livestock

Smithfield Blackstone - Southside, VA

Dec. 12, 1990

SLAUGHTER HOGS 200 HEAD - SLAUGHTER SOWS $1.25-2.00 LOWER. BARROWS $3.50 LOWER. SOWS US 1-3, 300-500 LB. 35.00 - 36.50 US 1-3, 500 LBS. & OVER 38.00 - 38.50 BOARS 300-600 LB. 30.75 - 34.50

SLAUGHTER CATTLE 65 HEAD - NO TRENDS REPORTED.

SLAUGHTER COWS 55 HEAD COWS CUTTER & BONING UT. 1-3 46.50 - 52.50 BREAKING UT. & COMM. 2-4 44.75 - 49.75

SLAUGHTER BULLS 10 HEAD BULLS Y.G. 1-2, 900-1300 LB. 52.00 - 57.50 Y.G. 1-2, 1300-1600 LB. 57.00 - 62.75 Y.G. 1-2, 1600 LBS. & OVER 54.00 - 66.00

LAMBS TOTAL RECEIPTS 106 HEAD - NO TRENDS REPORTED. SLAUGHTER LAMBS 50 HEAD WOOLED CHOICE AND PRIME, 95-125 LB. 46.50 - 47.00 CHOICE, 85-125 LB. 43.00 - 46.50 FEEDER LAMBS 25 HEAD FEEDER LAMBS CHOICE AND FANCY, 70-85 LB. 45.50 - 51.00 CHOICE AND FANCY, 60-70 LB. 40.00 - 46.00 EWES & RAMS 31 HEAD EWES ALL GRADES 15.00 - 18.00

FEEDER CATTLE 322 HEAD STEERS MEDIUM 1 SMALL 1 MED & LARGE 2 300-400 104.00-106.00 - 88.00- 95.50 400-500 92.00-101.00 89.00 91.50- 95.50 500-600 91.00- 92.50 82.00 - 600-700 80.00- 84.00 - -

HEIFERS MEDIUM 1 SMALL 1 MED & LARGE 2 300-400 74.50- 83.00 67.50- 71.50 72.00- 75.50 400-500 80.00- 83.50 72.50- 73.00 73.00- 75.00 500-600 75.00- 78.00 65.00- 75.00 65.00- 74.00 600-700 74.00- 77.50 - 64.50 BULLS MEDIUM 1 SMALL 1 MED & LARGE 2 200-300 94.00-104.00 - 89.00- 94.50 300-400 89.00-101.00 82.00- 90.50 79.00- 92.00 400-500 - 75.00- 87.00 76.00- 82.00 500-600 - 66.50- 70.00 66.00- 78.00 BABY CALVES RETURNED TO FARMS 18 HEAD NEWBORN TO 4 WK OLD $20.00-97.00

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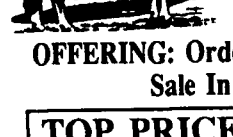

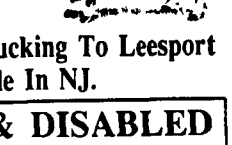

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Easton, PA

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TOP PRICES FOR DOWN & DISABLED CATTLE, Paid On Dressed Weight At Competitive Prices.

Also - Fat Cattle, Bulls and Steers.

NOW AVAILABLE! - Removal of Dead Cattle & Horses (Subject To Charge Based On Area)

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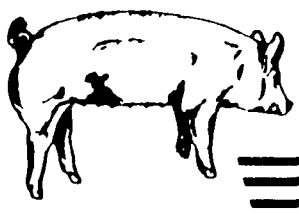
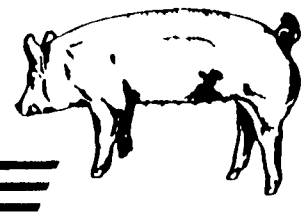


White Oak Mills



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An Opportunity For People Who Are Capable Of Managing A New 1,000-2,000 Head Finishing Facility

BENEFITS INCLUDE:

- POSITIVE Cash Flow & Depreciation Write-Offs
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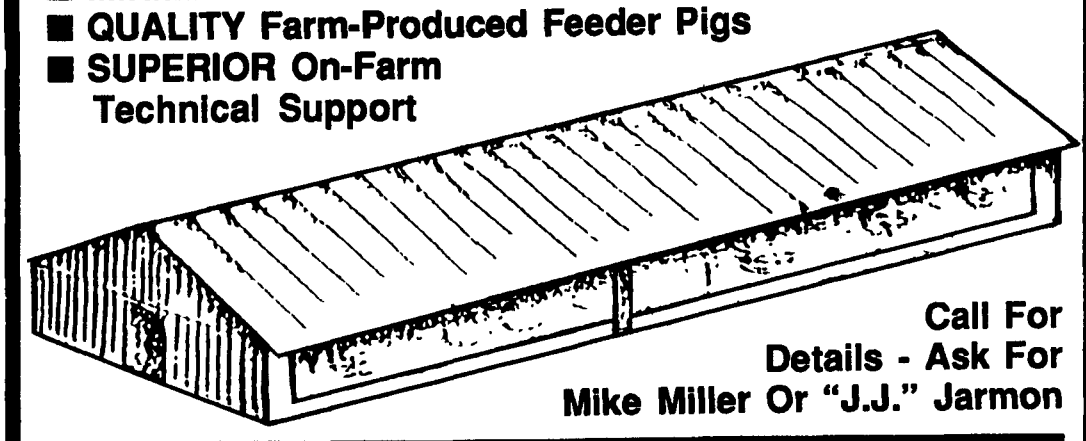

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New Farrow To Finish Units Preferrably 300-500 Sows. Also Interested In New And Existing Finishing Floor To Be Run "All-In-All Out"

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- Cash Flow Information
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or

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Lancaster Farming

OPINION

DHIA Management Information: Don't Be In Businesss Without It

For a farmer to belong to and support a farm organization, the organization must provide help with management, marketing or the legislative process. Pride of ownership and farming as a way of life just aren't good enough anymore.

The Dairy Herd Improvement Association, nationally, regionally and in Pennsylvania particulary, provides useful information to the dairymen. While the banker may want to see production percow and feed costs to establish a base for a line of credit, the dairyman may pay for the milk testing service many times over by reducing the length of dry periods or the somatic cell counts.

Jay Mylin, Lancaster DHIA manager, has compiled figures that prove the economic value of DHIA records. At $12 milk on a 50 cow herd, only small management changes based on DHIA reports can increase profits dramatically. For example, if you decrease the calving interval from 14 months to 13 months, you increase your income by $6,200. If you decrease your somatic cell count by 50 percent, you increase profit by $3,400.

Save one pound of grain per cow per day by having records to feed according to the production and body weight needs of the cow and you gain about $1,300. And if you increase the rolling herd average by 1,000 lbs., even with the extra feed costs to get the production, you still have a $5,000 higher income.

Not many dairymen can afford to be without DHIA records. Commercial dairy herds certainly need the production and management information spit out of that big computer in State College. But even the registered breeder needs more than the top fat production records to stay in business. All dairymen must have a profitable bottom line.

As Mylin says, there are 101 different management decisions you can make to change the income for your dairy herd. And because of the large capabilities of computers, the information that DHIA now compiles in the monthly test reports to the individual member helps the dairyman make intelligent decisions that are based on facts.

The need for DHIA management information on your herd is so great we highly recommend that you don't be in the dairy business without it.

NOW IS THE TIME

By Jay Irwin
Lancaster County
Agricultural Agent

To Consider Manure Nutrients

Did you know that on the average, more nutrients are brought onto the farm in feed for the animals than fertilizer purchases? Well, that may be a surprising fact but research has shown this to be true in southeast Pennsylvania. This serves to make a point for considering the importance of manure management. In the past, management of manure nutrients has "taken the back seat" to other management problems. The research done in this area in the past several years has had the same conclusion: taking a closer look at the benefits you are receiving from manure applications is a profitable idea! Consider the nutrients in manure when planning your fertilizer program for 1991.

To Assist With Food Safety

Our food producers, processors and retailers are proud to supply the American public with an abundant amount of wholesome, safe food. In order to ensure that this same high quality product reaches your table, consumers are encouraged to please observe several guidelines when preparing foods for your family. According to Chester Hughes, Extension Livestock Agent, it is not possible to eliminate all bacteria from the environment, therefore, good food-handling practices remain the last, best defense against bacterial problems in food. Remember to avoid contact between raw foods and cooked foods -- don't prepare raw meats and then use the same unwashed cutting board and knife to carve the cooked meat. Cook raw food thoroughly, to at least 160 degrees F. to kill any bacteria present. Never leave food at room temperature over two hours. Bacteria grow rapidly at room temperature. Thaw meats in the refrigerator, microwave, or in cold water changed every 30 minutes. Keep refrigerator temperature at 40 degrees F., the freezer at 0 degrees F. or lower. Eat cooked foods immediately -- the longer the wait, the greater the opportunity for bacteria to grow. Remember, if in doubt, throw it out.

To Review Partnership Agreements

There are a number of advantages to establishing farm partnerships, but an annual review of the agreement and its value in relation to current needs is essential.

I would like to offer a few suggestions for those who have entered into farm partnership agreements.

Once a farm partnership is drawn up, the agreement should be reviewed at least once a year. This should be done for two reasons. First, to see how well each of the partners is meeting their obligations -- and secondly, to carefully evaluate the agreement to see if it is doing its intended job.

Then too, farming is a rapidly changing business. So, don't be surprised if the agreement you set up just a couple years ago isn't entirely adequate to meet today's needs.

So review it carefully. If it doesn't quite measure up to current needs, plan to make necessary changes before 1991 rolls around.

To Prepare For Slippery Conditions

Slippery roads, walks and steps will be a common hazard through the next few months. Many people use salt too freely in cutting the ice; it may get the job done but also may injure nearby turf or shrubbery. I'd suggest the use of sand or sawdust. These materials will make the surface safe without possible injury to vegetation. In areas without any vegetation, salt will give good results. Along our main highways there is some evidence that the constant use of salt is inflicting injury to nearby trees and shrubs. Don't let this happen to your favorite tree, shrub or the turf lining your walk.

Farm Calendar

Saturday, December 15

Sunday, December 16

Monday, December 17
Pesticide application recertification training, Clayton Hall, U. of Del., 9 a.m.-4 p.m.
Berks Co. Ag Elections, Community and County Convention, Ag Center, 11 a.m.
Octorara Young Farmers' Association dairy management meeting, Octorara High School Ag Room.

Tuesday, December 18
Milk Equipment and Mastitis Workshop, Susquehanna, Wyoming, and Lackawanna counties.

Wednesday, December 19
Susquehanna Co. Milking Equipment and Mastitis Workshop, The Mountain View Restaurant, Clifford, 9:45 a.m.-3 p.m.

Thursday, December 20
Bradford Co. Milking and Mastitis Seminar, Bradford Co. Cooperative Extension Office, 10 a.m.-3 p.m.

Friday, December 21
Winter Begins
Corn Equipment Clinic, Hegins Fire Company Hall, Hegins, 9:30 a.m.-3 p.m.

Saturday, December 22

Sunday, December 23

Monday, December 24

Tuesday, December 25
Merry Christmas!

Wednesday, December 26

Thursday, December 27

Friday, December 28

Saturday, December 29

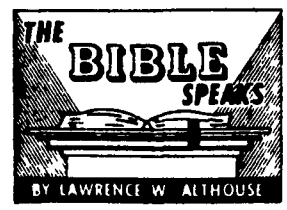
Sunday, December 30

Monday, December 31

Tuesday, January 1, 1991
Happy New Year!

Wednesday, January 2
Penn State area tax meeting, Shadow Brook Dairy Barn, Tunkhannock.

(Turn to Page A33)



ASKING HIM TO STAY

December 13, 1990

Background Scripture: John 4:1-42.
Devotional Reading: John 3:31-36.

I've been to the well at Sychar several times. The picture of it is fixed very well in my memory. Not because the place is remarkable in its appearance or its setting — just a dusty street like many others throughout the Holy Land.

But the current appearance of this street, the well and its shrine is deceptive, obscuring the dramatic event that took place there. The writer himself underplays this event, but in these simple verses there is spiritual dynamite that breaks down some very formidable walls.

"Give me a drink," Jesus says to the woman, and the first wall is struck a fatal blow. No rabbi would dare to speak to any woman in public, let alone a woman with an unsavory reputation. Didn't he realize what trouble this encounter could bring him? Apparently he did, but it did not matter. The wall did not belong there, so he broke it down.

UNTOUCHABLES

The second wall was even higher and thicker. "The Samaritan woman said to him, 'How is it that you, a Jew, ask a drink of me, a woman of Samaria?" "For Jews have no dealings with Samaritans." It was not just a matter of disagreement between them or of old scores to settle. The Jews regarded the Samaritans as heretics and they took every opportunity to display their contempt. Jesus knew all that, but this was another wall that ought not to be there and he destroyed it, too.

"Go, call your husband, and come here," he tells her. When she answers that she has no husband, he startles her by saying, "You are right...for you have had five husbands, and he whom you now have is not your husband..." Apparently, like some of us, the woman decided that when you're trapped, it's time to ask a religious question! Which is the right place to worship: Mt. Gerizim or Mount Zion? You're a prophet, so who's right: the Samaritans or the Jews.

NO MORE WALLS

Instead of haggling with the woman, Jesus reveals what is this "living water" which he had told her he could give her: direct access to God, who is spirit and not limited to either material things or human speculations. Access to God is available to all who turn to him "in spirit and truth." Neither her status as a woman, a Samaritan, nor a notorious sinner can keep her from God if she will turn to him.

Forgetting the barriers that once separated them, she shares the good news with her neighbors so that "they asked him to stay with them." And, in a sense, that's what all of us need to do — to ask him to stay with us until we too can say: "It is no longer because of your words that we believe, for we have heard for ourselves, and we know that this is indeed the Savior of the world."

(Based on copyrighted Outlines produced by the Committee on the Uniform Series and used by permission. Released by Community & Suburban Press.)

Lancaster Farming
Established 1955
Published Every Saturday
Ephrata Review Building
1 E Main St
Ephrata, PA 17522
— by —
Lancaster Farming, Inc.
A Steinman Enterprise
Robert G Campbell General Manager
Everett R Newswanger Managing Editor

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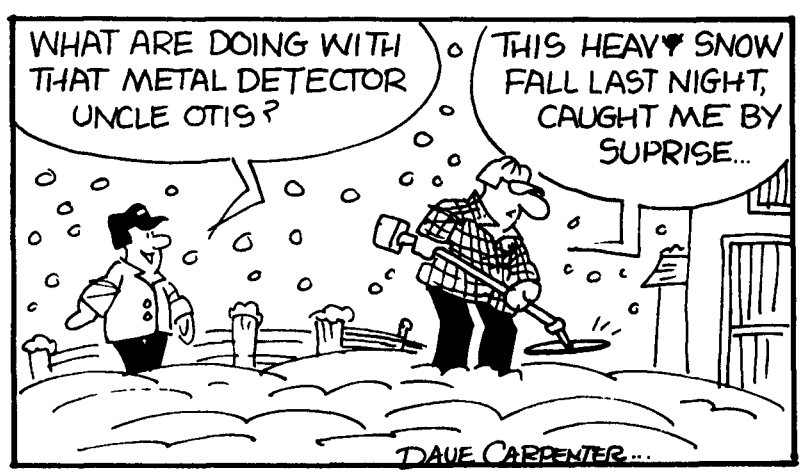
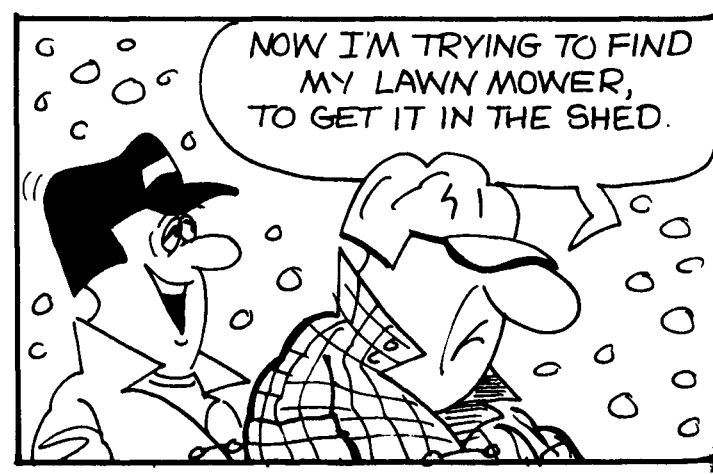




PENNFIELD GRAIN EXCHANGE

Turn Your Grain Into Feed

Shell Corn $2.66 Bu. Barley $2.18 Bu. Soybeans $6.00 Bu.

"No Hauling Charge" For Grain Bank Grain

Here is what it costs to make your own 16% grind and mix ration

	Ingredients	Cost/Unit	Total Cost	Crude Protein
440 lbs.	48% Soybean Meal	$217.00/Ton	$47.74	211 lbs.
400 lbs.	Shelled Corn	$ 2.66/bu.	$19.00	34 lbs.
1000 lbs.	Ear Corn	$ 82.00/Ton	$41.00	77 lbs.
100 lbs.	Molasses	$ 7.50/100 lbs.	$ 7.50	— 0 —
60 lbs.	Vit./Min.	$ 27.25/50 lb. bag	$32.70	—0—
	Grinding & Mixing	$ 11.10/Hammermill Mix	$ 9.25	—0—
		TOTAL COST PER TON:	**$157.19**	**322 lbs. = 16.1%**

HERE'S HOW THE GRAIN EXCHANGE WORKS:

You Order #50716 - 16% Flaked Dairy	$166.73
8 Ton Volume Disc	-$4.00
2½ % Cash Disc.	-$4.07
Feed Price - Delivered To The Farm	$158.66
Less Corn Exchange: 1500 lbs. Shell Corn at $2.66 Bu.	-71.25
Less Soybean Exchange: 500 lbs. Soybean at $6.00 Bu.	-50.00
Pennfield Grain exchange 2000 lbs. Ingredients	$121.25

Out of Pocket Cost Per Ton - You Pay 15th Following Month $37.41

PENNFIELD'S 2-FEED PROGRAM

COMPLETE FEEDS

FRESH COWS
#52218
Challenge 18% Flakes
(Pellets & Flaked Beans)
$190.13 net/ton

BASE FEED
#50716
16% Dairy Flakes
$158.66 net/ton

CONCENTRATES

FRESH COWS
#50836
36% Dairy Plus Conc.
(Pellets & Flaked Beans)
$268.62 net/ton

BASE FEED
#51232
32% Pellets
(All Natural)
$222.69 net/ton

FEED PRICES AND GRAIN EXCHANGE PRICES ARE FOR WEEK OF DEC. 10 AND SUBJECT TO CHANGE WEEKLY WITH GRAIN MARKET

Includes 8 ton volume discount and cash discount of 2½ % due 15th following month. Deduct additional $3.00 per ton if paid in 10 days.

PENNFIELD CUSTOMER SERVICE DEPT. - OPEN 24 HOURS A DAY
FROM PA 1-800-732-0467 FROM MD, DE & NJ 1-800-233-0202

pennfield feeds

Quality - Service - Value

S.W. Virginia Livestock

Wytheville, VA
Dec. 11, 1990

SLAUGHTER HOGS 26 HEAD - NO TRENDS REPORTED. BARROWS AND GILTS US 1-3, 200-250 LB. 50.00 - 57.00 US 2-4, 250-300 LB. 54.00 - 55.00 SOWS US 1-3, 300-500 LB. 45.00 - 52.00 BOARS 300-600 LB. 31.25

SLAUGHTER CATTLE 103 HEAD - NO TRENDS REPORTED.

SLAUGHTER COWS 96 HEAD COWS CUTTER & BONING UT. 1-3 45.00 - 51.00 BREAKING UT. & COMM. 2-4 46.00 - 50.75 CANNER AND LOW CUTTER 1-2 37.00 - 44.00

SLAUGHTER BULLS 7 HEAD BULLS Y.G. 1-2, 900-1300 LB. 55.00 - 61.00 Y.G. 1-2, 1600 LBS. & OVER 58.25 - 63.00

LAMBS TOTAL RECEIPTS 159 HEAD - NO TRENDS REPORTED. SLAUGHTER LAMBS 47 HEAD WOOLED CHOICE AND PRIME, 95-125 LB. 41.75 CHOICE, 85-125 LB. 40.00 FEEDER LAMBS 87 HEAD FEEDER LAMBS CHOICE AND FANCY, 70-85 LB. 46.50 CHOICE AND FANCY, 60-70 LB. 52.75 EWES & RAMS 25 HEAD EWES ALL GRADES 12.00 - 24.00

FEEDER CATTLE 378 HEAD - NO TRENDS REPORTED. STEERS MEDIUM 1 LARGE 1 SMALL 1 MED & LARGE 2 200-300 98.00-105.00 - - 92.00-97.00 300-400 96.00-104.00 - - - 400-500 93.00-100.00 - 83.00- 86.00 85.00- 89.00 500-600 84.00- 89.00 90.00- 92.00 78.00-82.00 - 600-700 83.00- 88.00 - 77.00-80.00 78.00- 81.00 700-800 79.00- 84.00 - - - HOLSTEIN STEER MED & LARGE 2 300- 500 78.50- 84.00 700- 900 65.00-68.00

HEIFERS MEDIUM 1 LARGE 1 SMALL 1 MED & LARGE 2 300-400 74.00- 77.00 - - 72.00- 75.00 400-500 78.00- 85.00 86.00- 87.00 68.00- 72.00 72.00- 77.00 500-600 75.00- 82.00 83.00-84 00 67.00- 70.00 70.00- 74.00 600-700 74.00- 80.00 84.50 - - 700-800 72.00-74.00 - - - BULLS MEDIUM 1 SMALL 1 MED & LARGE 2 200-300 95.00- 99.00 - - 300-400 85.00- 90.00 - 79.00- 84.00 400-500 80.00- 84.00 74.00- 79.00 - 500-600 78.00- 83.00 - - COWS WITH CALVES AT SIDE 6 PAIR; M-2, 5-10 YR OLD 850-1050 LBS WITH CALVES 90-200 LBS $550.00-610.00 PER PAIR. BABY CALVES RETURNED TO FARMS 36 HEAD NEWBORN TO 4 WK OLD $40.00-120.00 MOSTLY $60 00-95 00 PER HEAD.

Shenandoah Valley Livestock

Harrisonburg, Va.
Dec. 8, 1990
Report supplied by auction

STEERS: M&L-1 300-500 LBS. 91.00-105.00; M&L 2 85.00-93.50; 500-700 LBS 73.25-79.00; HOLSTEIN 300-1000 LBS. 62.00-78.00.

S-L&M&L-2 300-500 LBS. 80.00-85.00; 500-700 LBS. 77.00-82.00.

FEEDER BULLS: 300-500 LBS. 78.00-84.00; 500-700 LBS. 69.00-78.00; 700-800 LBS. 60.00-74.00.

HEIFERS: 200-300 LBS. 76.00-83.00; 300-500 LBS. 72.00-81.00.

S-L&M&L-2 300-500 LBS. 70.00-73.00; 500-700 LBS. 65.00-70.00.

BABY CALVES: 65.00-121.00.

SLAUGHTER COWS: UTILITY AND COMMERCIAL 2-4 45.00-53.00; CANNERS AND CUTTERS 40.75-45.00.

LAMBS: BLUE O HIGH CHOICE AND PRIME 47.00; RED O CHOICE 43.85; FEEDER LAMBS CHOICE 47.50-52.50; SLAUGHTER EWES 15.00-20.00.

SOWS: 35.50-40.50.

BOARS: 28.00.

Peoria Sheep

Peoria, IL
Dec. 11, 1990

SHEEP: 200 TRADING MODERATE. COMPARED WITH LAST TUESDAY, SLAUGHTER LAMBS STEADY

SLAUGHTER LAMBS: CHOICE AND PRIME 110-120 LBS. 41.00-42.00, 85-95 LBS. 39.00-40.00

Diffenbach Auction Center

New Holland, PA
Monday, Dec. 10, 1990
Report Supplied by Auction

TOTAL LOADS: 160.
ALFALFA: 72.00-162.00.
MIXED HAY: 63.00-162.00
TIMOTHY: 72.00-126.00.
STRAW: 60.00-165.00.
EAR CORN: 73.00-84.00.
OATS: 1.90-2.60 BU.

This sale was formerly held at the New Holland Sales Stables. It is now held at Diffenbach's New Holland Auction Center Ltd., 100 W. Jackson St., New Holland, across from the prior sale location. Auction time is 10:00 a.m. Monday.

Vintage Hay

Paradise, PA
Thurs., Dec. 13, 1990
Report Supplied by Auction

12 LOADS.
CORN FODDER: 42.00.
STRAW: 76.00-82.50.
TIMOTHY: 71.00.
ALFALFA: 87.50-100.00.
MIXED HAY: 82.50-86.00.

Philadelphia Eggs

Thursday, Dec. 13, 1990
Report Supplied by USDA

MARKET COMMENT: TRADE SENTIMENT WAS FULLY STEADY TO FIRM. DEMAND AT ALL LEVELS WAS MODERATE TO GOOD. WHOLESALE DEMAND CENTERED ON GRADED LOOSE LARGE SIZES AND UNGRADED EGGS. VERY LIMITED OFFERING WERE PRESENTED WITH CONFIDENCE AT HIGHER PRICES. FLOOR STOCKS WEERE SHORT TO ADEQUATE. A EXTRA LARGE .86-.92, A LARGE .84-.90, A MEDIUM .77-.80.

New England Shell Eggs

Dec. 12, 1990

Prices were higher on loose jumbo through large, unchanged on the balance. The undertone was fully steady to firm. Demand was generally good. Supplies were barely adequate to adequate.

PRICES PAID TO PRODUCERS FOR LOOSE BROWN EGGS AT FARM, CASES EXCHANGED, GRADE YIELD BASIS, CENTS PER DOZEN: JUMBO .93-.96, EX LARGE .83-.86, LARGE .82-.85, MEDIUM .78-.81, SMALL .34-.37.

BOSTON: PRICES TO RETAILERS - SALES TO VOLUME BUYERS, CONSUMER GRADE BROWN EGGS IN CARTONS DELIVERED STORE DOOR, CENTS PER DOZEN:

A EXTRA LARGE 1.01-1.03, A LARGE 1.00-1.02, A MEDIUM .97-.99.

New York and Philadelphia Frozen Egg Report

DECEMBER 11, 1990

Trade sentiment was generally fully steady to firm. Trading activity was limited with higher prices for raw materials forcing sellers to ask more for finished product. Several breakers adjusted schedules and basically worked on previous or current commitments. Floor stocks were for the most part adequate for current needs.

WHOLESALE SELLING PRICES (CENTS PER POUND IN 30 LB. CONTAINERS) U.S.D.A. INSPECTED CLASS TRUCKLOTS LTL (MIN. 25 CONT.) WHOLE 58-60 MOSTLY 59 61-68 BLENDS (/) - MOSTLY - 66-75 WHITES 45-47 MOSTLY 45-46 48-56 YOLKS (MIN. 43% SOLIDS) SUGARED 71-75 MOSTLY 72-73 75-80 SALTED 67-69 MOSTLY 67-68 70-75 (/)-WHOLE PLUS YOLK PLUS SWEETENER, GENERALLY 28-32% EGG SOLIDS.

Friend's Stockyard Inc.

Accident, Md. 21520
Dec. 10, 1990

STOCK BULLS & STEERS (200 TO 400 LBS.) 70.00-99.00.

STOCK HEIFERS: 55.00-84.00.

SLAUGHTER STEERS: GOOD TO CHOICE 77.50-81.00; MEDIUM TO GOOD 68.00-76.00.

HOLSTEIN STEERS: HEAVY 62.00-69.00; LIGHT 57.00-63.00.

SLAUGHTER HEIFERS: GOOD TO CHOICE 74.50-80.00; MEDIUM TO GOOD 64.00-73.50.

BULLS: HEAVY 61.50-73.50; LIGHT 46.00-60.00.

COWS: FEW HIGH DRESSING 50.00-55.75; UTILITY HOLSTEIN 45.00-51.75; CANNERS 42.00-48.50; COMMERCIAL TO GOOD 43.00-47.00; CULL COWS 40.00 & DOWN.

VEALS: GOOD TO CHOICE 75.00-104.00, MEDIUM TO GOOD 65.00-73.00.

BOB CALVES: 38.00-55.00.

HOLSTEIN BULL CALVES: RETURN TO FARM 100-120 LB. TO 130.00.

HOLSTEIN HEIFER CALVES: RETURN TO FARM 100-120 LB. 85.00-131.00.

HOGS: FEW INDIVIDUAL BUTCHER HOGS 46.00-47.25; TOP QUALITY 46.00-47.25; HEAVY 45.00-46.25; LIGHT 40.00-44.50.

SOWS: 35.00-44.00.

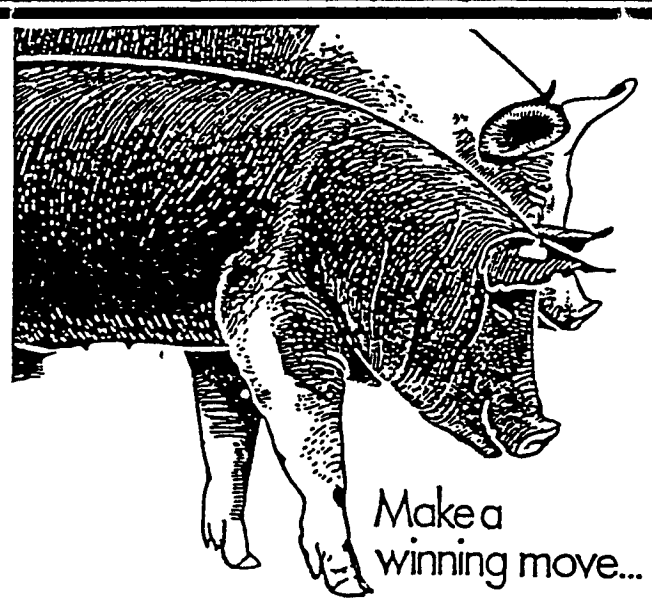
MALE HOGS: 34.00-38.00.

BUTCHER LAMBS: 44.50-51.00.

SHEEP: 10.00-18.00.

EGGS: (PER DOZEN) LARGE 1.07 DOZ.; MEDIUM .80 DOZ.; SMALL, NONE AVAILABLE.

LIVESTOCK PRICES ARE ALL GIVEN PER HUNDRED WEIGHT.



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Phila. Vegetables

Dec. 12, 1990

CLEAR 29-40.

ARTICHOKES LOWER CA ctn 36-42s fair cond 20.00 48s fair cond 16.00 CHILE crt fair cond 30- 36s 10.00.

ASPARAGUS ABOUT STEADY PERU & GUATEMALA 5-kilo crt bchd 12s exlge, lge & std 21.00-23.00.

BEANS ABOUT STEADY FL various bu containers Round Green type 14.00-16.00 mos 15.00 Handpicked 16 00-18.00 mos 16.00 few 15.00 few late sales 20.00.

BEETS STEADY TX crt bchd 12s 7 50-8 00 NJ topped bubkts few 8.00-9.00 MEXICO ctn bchd 12s 8.00.

BROCCOLI CA HIGHER, TX LOWER, OTHERS ABOUT STEADY CA ctn bchd 14s 12.00-14.00 mos 12.00-13.00 lse Crowns 15.00 18s 13.00 TX ctn bchd 14s 9 00-10.00 mos 9.00 fair cond 6.00 previous commitments 8.00 NC ctn bchd 14s 7.00.

BRUSSEL SPROUTS LOWER CA 25-lb ctn 13.50-14.00.

CABBAGE ABOUT STEADY 1-3/4 buctn & crt med green unless otherwise stated NJ 4-4.50 fair qual loas 3.00 GA 6-6.50 mos 6.00 fair cond 5.50 NC Savoy type 7.00 few 8.00 Red 8.00 FL 7.00 PA Red 8.00 NY 5.00 50-lb sks lge 3-3.50 Red 6.00-7.00.

CARROTS ABOUT STEADY 48-1 lb film bags in film sacks CA med-lge 10.00-12.00 mos 10.00-11.00 FL med-lge 9.00 50-lb sacks loose jumbo CA 12.00 via rail 8.00-9.00 FL 9.00 CANADA 8.00 miniature type CA ctn bchd 24s few 11.00 ctn bchd 24s CA 10.00.

CAULIFLOWER ABOUT STEADY CA ctn film wrpd 12s 11.00-12.00 few 13.00 one label 14.00

CELERY LOWER CA ctn 1-1/2 doz 12.00-13.00 2 doz 10.00-12.00 mos 12.00 few 13.00 2-1/2 doz 9.00-11.00 3 doz 6.00-8.00 mos 8.00 few 9.00 occ hgr 4 doz 6.00-8.00 Hearts film wrpd 18s 9.00-10.00 mos 9.00 FL ctn 2-1/2 doz 9.00- few 10.00.

CHINESE CABBAGE STEADY FL celery crt 9.00.

CORN ABOUT STEADY wirebound crt approx 4-1/2 doz FL White incl fair qual 10.00-11.00 mos 10.00 some 8 50-9.00 Yellow fair qual 8.00-9.00.

CUCUMBERS ABOUT STEADY 1-1/9 buctns waxed medium unless otherwise stated FL fair appear or cond 10.00-12.00 fair qual 8.00-9.00 mos 8.00 ord qual loas 6.00 flat ctn Long Seedless type film wrpd 12s lge 9.00-10.00 MEXICO 12.00-14.00 fair qual 9.00-10.00 Pickles unwaxed med few 16.00 med-lge fair cond few 16.00 poor cond 6.00.

DAIKON HIGHER CA 40-lb ctn 13.00.

EGGPLANT ABOUT STEADY FL 1-1/9 buctn med incl wrpd fair qual 3.00-5.00 few 6.00.

ENDIVE ABOUT STEADY FL 1-1/9 bucrt 5.00-6.00 mos 5.50-6.00 CA ctn 24s 9.00 BELGIUM 10-lb ctn Witloof type 16.00.

ESCAROLE ABOUT STEADY FL 1-1/9 bucrt 5.00-6.00 mos 5.50-6.00 CA ctn 24s 9.00.

GARLIC CA 30-lb ctn per lb Colossal 1.10 Late Keeping Colossal 1.17 Extra jbo 1.07 Jbo 1.03.

GREENS ABOUT STEADY crt & ctn approximately 1-1/2 bu bchd unless otherwise stated NC Collards & Kale 6.50 Mustard, Turnip Tops & Rape 7.00 VA Mustard & Kale 5-5.50 Turnip Tops 5.50 PA Collards, Mustard, Kale & Rape 5.50 CA ctn 24s Red Kale 11.00 20-lb ctn Broccoli Rabe 12.00 AZ 20-lb ctn Broccoli Rabe 10.00-11.00 mos 10.00 one label lse 13.00.

LEEKS STEADY FL crt bchd 12s 10 00 NJ crt bchd 12s 9.50-10.00 mos 10.00 CA ctn bchd 12s 10.50.

LETTUCE ICEBERG LOWER ctn 24s unless otherwise stated CA 10 00-11 00 mos 10 00 occ 12.00 film wrpd 9 00-10 00 AZ 8 00-10.00 mos 9.00 few 11.00 fair cond 7.00 ord cond 4.00-5.00 ROMAINE ABOUT STEADY CA 24s ctn 8.00-10 00 mos 9.50 crt 11.00-12.00 AZ 24s ctn 8 00-9.00 ord cond 4.00-5 00 FL ctn 24s 6.00-7.00 BIG BOSTON CA ctn 24s 7.00 AZ ctn 24s 6.00-7.00 mos 7.00 few 7.50 FL ctn 24s 6.00-7.00 BIBB FL ctn 24s 8.00-9.00 LEAF CA ctn 24s 7.50-9.00 mos 8.00 Red 7.00-8.00 few 8.50-9.50 AZ ctn 24s incl Red 7.00 FL ctn 24s 6.00.

MUSHROOMS STEADY PA 4-qt bkt med-lge 5-5.50 sml-med 4-4.50 10-lb ctn med 9-9.75 mos 9.25 lge 11.00-11.50 mos 11.25-11.50 packages 10-12 oz 9-9.50 3-lb ctn Shiitake 17.00-18.00 fair qual 10.00-12.00

OKRA TOO FEW SALES TO QUOTE.

ONIONS-GREEN ABOUT STEADY TX ctn bchd 24s med-lge bulb 11 00 MEXICO ctn bchd 48s 7.00-8.00 few 9.00.

PARSLEY ABOUT STEADY bchd 5 doz Curly unless otherwise stated FL crt 10.00-11.00 few 12.00 Plain 14.00-16.0C TX crt Plain 16.00.

PEAS-GREEN NO SUPPLIES.

PEAS-SOUTHERN OFFERINGS INSUFFICIENT TO QUOTE.

PEAS-SUGAR LOWER 10-lb ctn per lb GUATEMALA .80 ord cond .20-.30.

PEPPERS LOWER 1-1/9 bucrts & ctns Calif Wonder type Green unless otherwise stated FL exlge 7.00-9.00 mos 8.00 few 10.00 fair cond 5.00-6.00 lge 6.00-7.00 med 6.00 Mixed Red lge 6.00-7.00 Red exlge 20.00-22.00 lge 18.00-20 00 fair cond 15 00 sml 10.00 one lot 6.00 Cubanelle med-lge 10.00-12.00 lge 15.00 Longhot 10.00 1/2 buctn Jalapeno 6 00-8.00 TX sml 5.00 CA 15-lb ctn Red lge fair cond 10.00-12.00.

RADISHES ABOUT STEADY FL ctn Red 30-6 oz film bags 2.00-3.00 few 1.75 14-1 lb film bags few 3.25 MEXICO ctn bchd 24s 6.00-7.00.

RHUBARB NO SUPPLIES.

RUTABAGAS ABOUT STEADY CANADA 50-lb ctn CD#1 waxed med 7.50-8.00.

SPINACH ABOUT STEADY NJ Savoy type bubkt 7-7.50 bucrt lse fair qual 5 0 VA bucrt lse 6.00-7.00 CA Flat type 1 bchd 24s one label 7.00-8.00.

SQUASH ABOUT STEADY FL 1/2 & 5/9 bucrts & ctns Zucchini med few 10 00 MEXICO 28-lb lug Zucchini sml-med 14.00 med 12.00

SWEET POTATOES STEADY NC 40-lb ctn US#1 Jewel type med cured 7.00 fair qual or lge 4.00.

TOMATOES FIRM 25-lb ctn Pink to Light Red US Comb Grade or better unless otherwise stated FL 5x6s few 12 00 6x6s few 10 00 6x7s few 8.00 fair qual 5x6s 10.00 vineripe 5x6s 10 00 few 11.00 Red 5.00-8.00 6x6s 8 00-9 00 Red loas 3 00 REPACKED LOCALLY FL 5x6s 12 50 6x6s 10 50 6x7s 9 00 PLUM TYPE NO SALES REPORTED CHERRY TYPE flats 12-1 pint trays MEXICO 7-7 50 mos 7.00.

TURNIPS Topped PA 25-lb film bags sml-med 4-4.50

VEGETABLES-OTHER ITALY 1-lyr flat Radicchio 12s 12 00

WATERCRESS FL ctn bchd 24s 10 00

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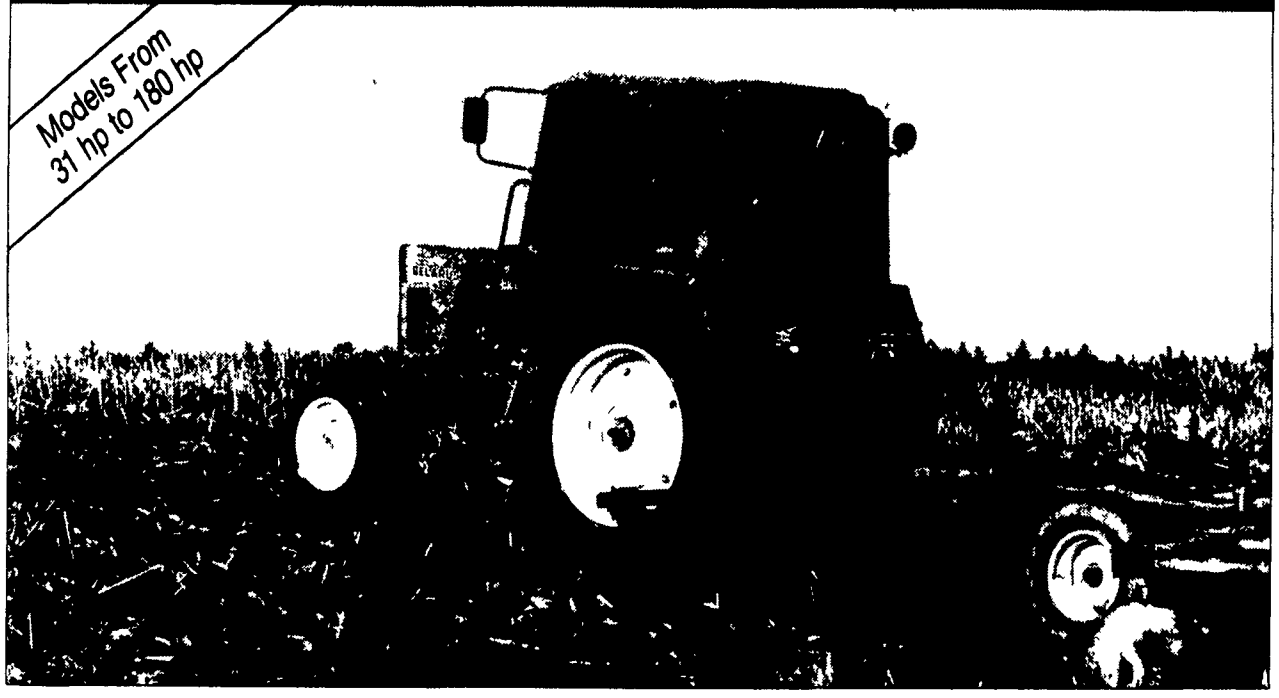

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Phila. Potato & Onion

Dec. 12, 1990

CLEAR 29-40.

ONIONS-DRY YELLOW JUMBO SLIGHTLY LOWER, OTHER ABOUT STEADY 50-lb sacks US#1 or generally good qual and cond new crop Yellow unless otherwise stated ID-OR Spanish Hybrid colossal 10.00 jumbo 850 White jumbo 28.00 25- lb sks Red jumbo 700 med 500 CO jumbo 850-900 mos 850 some 800 UT Spanish Hybrid type jumbo 8-850 few 750 occ 900 NY Globe type lge 700 medium 400- 500 fair qual 200 ord cond .50 25-lb sks Red med-lge 500 occ hgr MI Globe type med 500.

POTATOES STEADY 50-lb sacks US#1 size A washed or brushed unless otherwise stated ROUND WHITES new crop NYLI 525-550 lge 6-650 baled 10-5 lb paper sks 7-725 5-10 lb paper sks 6-625 ME 550 PA fair qual 225 lge fair qual 525 CANADA CD#1 Prince Edward Isle 5-550 lge 600-700 New Brunswick 500 lge 650-700 ROUND REDS new crop MN/ND 850-900 sz B 11.00-13.00 mos 12.00-13.00 RUSSETS 50-lb ctn count new crop unless otherwise stated ID 70-80s 11.50-12.00 90s 10.50-11.00 few 10.00 100s 900-10.00 WI incl Norkotah 70s 900 80s 900 fair cond 550 90s 800 100s 650-700 120s 650 baled 10-5 lb film bags non sz A 650 100 lb sks 10 oz min US#2 10 00 CD#1 Prince Edward Isle 70-80s 900 90s 800 100s 675-700.

Phila. Fruit Market

Dec. 12, 1990

CLEAR 29-40.

GRAPEFRUIT STEADY FL 4/5 buctn Red 23s 11.00-13.00 some 10.00 27s 11 00-12 00 32s some 12 50 40s 11 00 48s 9 00-10 00 56s 7.00 fair qual & appear 32-36s 7.00 40s 6- 6.50 48s 5-5.50 White 23s 9.00 32s 8.00-9.50 some 7.00 36-40s 7.00-9.00 48s 7.00-8.50 some 6.00 8/5 lb mesh sks Red 40 sz 14.00 Indian River Red 23-27s 13.00-14.00 32s 12.00-13.00 mos 12.00 36s 11.50-12.50 mos 12.00 ord cond 3.00-5.00 40s 11.50-12.50 mos 11.50-12.00 some low as 10.50 fair cond 9.00 48s 11.50 fair cond 8.00 fair qual 23-27s 11.50 32-36s 10.50 40s 9.50 48s 8-8.50 White 27-40s 10.00 48s 6-6.50 Star Ruby one label few 23-27s 16.50 32s 15.50 36s 14.50 40s 13.50 48s 12.50 fair cond 48s 8-8.50 56s 6.50-7.00.

LEMONS ABOUT STEADY CA ctn 95-115s 22.00-23.50 140s 18.00-18.50 165s 15.50-16.00 200s 12.00- 13.50 fair qual 95s 14.00-15.00 mos 14.50 115s 14.50 140s 11.00-12.50 165s 12.50-13.00 200s 11.00 AZ ctn fair qual 95s 13.00-14.00 115s 12.00-13.00 140s 11.00-14.00 mos 11.00-12.00 165s 10.00-12.00 200s 10.00-11.00.

LIMES ABOUT STEADY 10-lb ctn Persian Seedless type FL 48-54s 6.00-7.00 few lwr 63s 5.00-6.00 MEXICO 48s 4.25-5.00 mos 4.50-5.00 54s 4.50-5.00 63s 5.00 one lot 3.50.

MISCELLANEOUS CITRUS FL 4/5 buctn Lee 80s 18.00 100s 18.00-19.00 120s 17.00-18.00 mos 18.00 150s 15.00-17.00 180s fair cond 11.00 Osceola fair cond 120s 20.00-22.00 150s 18.00-20.00 180s 14.00 210s 11.00 SPAIN 10-kilo crt Clementine 98s 15.00 108s 13.00-14.00 few hgr 118s few 20.00 120s 13.00 few 16.00 132s 12.00 140s 11.00-12.00 154s 9.00-10.00 mos 10.00 180s 5.00.

ORANGES STEADY CA ctn Navel 36s 15.00 40s 16.00 48s 14.50-16.00 56-72s 14.00-15.00 88s 12.75-14.00 mos 13.00-13.50 113s 11.50-12.00 138s 10 50-11.00 fair qual 36s 13.00 48s 13.00 56s 12.00-13 50 mos 12.50-13.00 72s 12.00-13.00 mos 12.50 88s 12.00-13.00 113s 11.00-11.50 138s 9.50 FL 4/5 buctn Hamlin 64s 10.50 80s 8.00-10.50 mos 10.00 some 7.00 100s 8.00-9.00 125s 8.00 8/5 lb mesh sks 125 sz 11.00 10-4 lb mesh sks 125 sz 12.00 Navels 48s 10.50-11.50 some 9.00 few 12.00 56s 10.50-11.50 mos 11 00 some 9.00 64s 10.50-11.50 some 9.00 few 12.00 80s 8.50-10.

50 some 7.00 few 11.00 100s 7.00-9.00 mos 7.00-8.00 few 6.00 Pineapple 56s 10.50 80-100s 8.50 125s 7.50-8.50.

TANGELOS STEADY FL 4/5 buctn & crt Orlando 54-64s 12.00 fair qual 8.00 80s 12.00-13.00 100s 10.00 fair qual 8.00-9.00 100s 11.00-12.00 fair qual 9.00 120s 8.00 Nova 64-80s 13.50 100s 12.50 125s 10.00 Minneola few 54-80s 14.00 100s 12.50 125s 10.50.

TANGERINES STEADY FL 4/5 bucrt Dancy 100s 20.00 120s 18.00 150s 15.00-16.00 176s 12.00-13.00 180s few 17.00 CA 1/2 buctn Fairchild med 8.50-9.50 with stems & leafs med 10.00.

APPLES STEADY ctn tray pack WA Red Delicious WAExFcy 88s 21.00 100s 19.00 one label 64-72s 25.00 80s 24.00 88s 23.00 100s 21.00 113s 19.50 USExFcy 80-88s 17.00-18.00 100s 16.00-18.00 113s 16.00-17.50 125-138s 15.00 Golden Deli- cious WAExFcy 113s 13.50 one label 80s 23.00 88s 22.00 100s 20.00 WAFcy 113s 13.00 Granny Smith WAExFcy 113s 17.00 Red Rome WAExFcy 64s 14.00 ID Red Delicious IDExFcy 56-64s 22.00 88s 18.50 100s 17.50 113s 16.50 USFcy 72-88s 14.50 Golden Delicious USExFcy 80s 18.50 100-113s 16.50 CA Granny Smith USFcy 80s 18.00 88s 17.00-18.00 100s 16.00-17.00 some low as 14.50 OR Red Delicious WAExFcy 64s 21.00 72s 20.00 80-88s 18.00 100s 16.00 113s 15.00 USExFcy 80s 16.00 88s 15.00 100s 14.00 113s 13.00 USFcy 88s 14.00 100-125s 13.00 Golden Delicious WAExFcy 80s 18.00 88s 17.00 100s 16.00 113s 15.00 MI Red Delicious USExFcy 64-80s 16.00 Red Stayman USExFcy 72-88s 20.00 100s 19.00 ctn cell pack WA Golden Delicious USExFcy 96s 19.00 120s 18.00 NY McIntosh US#1 80s 10.00 100s 9.00 120s 8.00 ctn 12-3 lb film bags NO SALES REPORTED buctn lse MI Red Stayman USFcy 2-1/4" & up 9.00.

APPLE-PEARS CA 1-lyr flat Hosui 24-25s 9.50 2-lyr flat 20th Century 48s 12.00 64s 9.00.

AVOCADOS STEADY FL flat ctn various Greenskin varieties 7-9s 8.00 10-12s 8.00-9.50 14s 7.00 CA 1-lyr ctn Zutano 20s 10.00 2-lyr ctn Hass 48s few 45.00

COME SEE US AT THE
PA. STATE FARM SHOW
JAN. 6-11, 1991 BOOTH 482

MILLER DIESEL INC.

FUEL INJECTION & TURBO SPECIALIST
6030 Jonestown Rd., Harrisburg, Pa. 17112 (717) 545-5931
Authorized Diesel Fuel Injection Sales & Service

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ATS TURBO KITS (6 2-7.3L), AIRESEARCH, SCHWITZER, CUMMINS, HOLSET

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ADS ASSOCIATION OF DIESEL SPECIALISTS

BOYDELL FARMS
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SILO QUEEN
2390- 2402-2510 -2520
North Coast Seed Corn
NEW 2305 - 2517

ALFALFA
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FERTILIZER

BALER TWINE
$18.95 Per Bale Till Dec. 31st

SEED OATS
Hercules, Noble, Ogle, Porter, Heritage
$4.20 Per Bus. Till Dec. 31st

SOYBEANS
Home of the new varieties STINE SOYBEAN SEEDS
3940 - 3090 E 3970
Since 1984 Beat The Plot Average 75% Of The Time

$14.50 Per Bag
Less 60¢ Prepaid By January 3, 1991

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N.C. Shore - Agri 8836
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WHOLESALE & RETAIL

EVERGREEN TRACTOR CO., INC.

New Store Hours
PARTS- Mon. Thru Fri. 7:30 A.M. To 4:30 P.M.
Sat. 8:00 A.M. To Noon
SERVICE- Mon. Thru Fri. 8:00 A.M. To 4:30 P.M.

ANNOUNCING THE AVAILABILITY OF USED PARTS FOR THE FOLLOWING MACHINES:

- 7000 Planters
- 2500 Plows
- F350 Hydraulic Reset Plows
- Cultivator Parts
- Grain Drills
- Trip Plows
- Disc Harrows
- Cultipackers and Roller Harrows (John Deere and Brillion)
- 35 and 3800 Harvesters
- Grain Platform
- Combine Corn Head

This is a partial listing. Please call for availability even if your machine is not listed.

TRACTORS:
JD 2040 Diesel....$6,950
JD 4040 Power Shift, Sound Guard, 2300 Hrs., Sharp....$26,600
JD 4240 PS, Sound Guard....$27,500
JD 675B Skid Steer Loader, Nice....$9,750
Bobcat 643 Diesel Skid Steer Loader....$8,750
AC D17 w/Loader....$2,750

COMBINES & PICKERS:
6620 Side Hill, turbo hydro, heater & air, monitor, spreader.
NI 818 combine, sharp
JD #343 3 Row 30" Corn Head....$3,650
(2) JD 443 Corn Heads....ea. $4,650
JD 4400 Diesel Rotary Screen Combine, Auto Header Heights, Air, Monitor, 23.1x26, and VS Feeder House
JD 6600 Diesel Side Hill Hydro Combine, Auto Header Heights, 28L Tires, Nice....$21,750
JD 653 6 Row 30" Bean Head....$4,450
JD 300 Corn Picker w/2 Row Wide Head
JD 4420 Combine, Loaded, Nice
JD 13' Quick Tach Rigid Grain Head....$1,850
JD 300 Corn Husker....$4,500
JD 213 Rigid Grain Head w/Pickup Reel....$3,650
NI 2 Row Wide w/12 Roll Bed....$3,650
JD 4425 Combine, Nice

HAY & FORAGE EQUIPMENT:
JD 1 Row, Row Crop Attachment, Nice....$550
JD 5½' Pickup Attachment
JD 2 Row 30" Row Crop Attachment
JD 24T Baler w/Ejector....$1,450
NH 1010 Bale Wagon....$4,350
NH 268 Baler w/Ejector
JD 1209 Mower Conditioner....$3,650
JD 24T Baler w/#30 Ejector....$2,850
NH #499 12' Hydraulic Haybine....$7,350
JD 336 Baler w/#30 Ejector....$5,850
JD #30 Hydraulic Bale Ejector....$1,500

PLANTERS & GRAIN DRILLS:
JD 8300 21x7 DD Drill....$4,200
JD 8350 23x7 Drill w/Grass And Gang Press Attach., Nice....$5,800
JD 7000 No-Till Planter, Liquid Yetter, Counters, Monitor, Nice....$8,750
JD 7200 4 Row Planter, Sharp....$9,500
(2) ea. JD 8000 18x7 Drills w/Tandem Hitch, DD w/Grass....Both For $7,950
JD 24B 2 Row Planter Unit....$750
JD Model B 14x7 Double Disc Drill....$1,450

DISCS AND FIELD CULTIVATORS
JD 12' TWA Plowing Disc....$3,250
Kewanee 12' Rock Flex Disc....$2,450
Kewanee 800 Rock Flex Plowing Disc 12'....$2,950
Brady 18' Folding Field Cultivator....$2,150
JD 12' Field Cultivator w/Harrow....$1,450
JD 210 14' Black Gang Disc....$3,850
JD #220 18' Center Fold Disc....$4,150
IH 475 20' Hydraulic Wing Disc....$4,350
JD 230 27' Wing Fold Disc w/New Blades....$7,850
JD BWF 12' Disc....$1,850

PLOWS-MOLDBOARD AND CHISEL:
JD 7B 2500 Plow....$3,950
JD F350 5-16" Hyd. Reset Plow....$2,350
JD 1450 6-16" Semi-Mtd. Plow....$2,250
JD 4-16" F325 Auto Reset Plow....$1,250
JD 2500 7x18" On-Land Plow....$5,400
JD 1B Roll-Over Plow....$1,250
IH 7 Tooth 3 Pt. Chisel....$1,275
IH 9 Tooth Pull Type Chisel....$1,850
JD 1450 4x16 Semi-Mtd. Plow....$2,250
JD 2700 6B Auto Reset On-Land Plow....$7,450
JD 10 Tooth Pull Type Chisel....$1,850
JD 2500 4x18" Auto Reset Plow....$3,950
JD 2700 4x18 SOLD Reset Plow....$5,850
JD 2600 5x18" Auto Reset Plow....$6,450
JD 3200 6x18" Pull Type Auto Reset Plow....$3,950
JD 1600 17 Tooth Hydraulic Fold Chisel w/Walking Tandem....$4,350
JD 2500 5x18" Auto Reset Plow....$3,950
(New) JD 12' Chisel w/Walking Tandem....$3,450

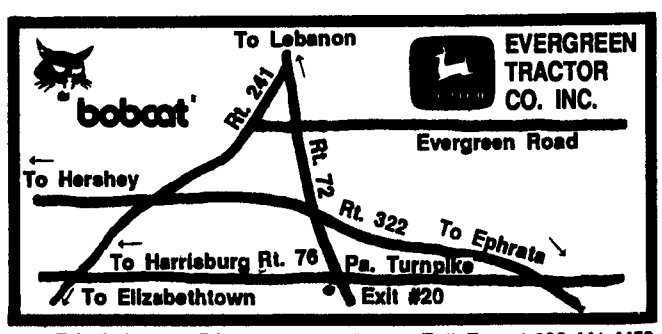
CULTIPACKERS
Brillion 10' w/Big Shaft....$950
Brillion 3' Section 28' Packer....$2,450
Brillion 12' Packer, Big Shaft....$1,150
JD 10' Packer....$1,050
(1) Each Brillion 12' Packers w/Transport....each $1,250
Brillion 12' w/Big Shaft....$1,250
Brillion 14' Transport Packer....$1,850
Brillion 12' Packer w/Transport....$1,850
1 Set Brillion 4' Packer Pups....$650

ROW CROP CULTIVATORS & ROTARY HOES
JD 4 Row Front Mount Cultivator For 3020....$1,550
JD RM 4 Row Cultivator....$1,275
JD RM 6 Row Cultivator....$1,650
JD RM 4 Row Narrow Cultivator....$1,275
JD 20' Rotary Hoe, Like New....$2,350

MISCELLANEOUS:
Bobcat 909 backhoe....$5,750
NH 352 Grinder-Mixer....$2,450
JD 37 Loader, All Hydraulics For Utility....$1,850
Donahure Implement Trailer....$1,850
JD 45 Loader for 2 Cylinder Tractor....$750
Transcraft 42' Drop Deck Trailer, Air Ride, Nice....$8,500
Ag Teck Pre-Seed....$3,250
1 Set 15.5x38 SOLD On Duals....$250
400 Bu. Gravity Wagon With Auger....$2,500
200 Bu. Gravity Wagon....$1,250
Bobcat 907 Backhoe....$4,750
Fruehauf 20' Steel Dump Trailer, Single Axle, For Grain....$1,850
NI #362 Spreader

ROLLER HARROWS AND CULTIMULCHERS
JD F950 15' Roller Harrow, Nice....$3,650
IH #315 12' Roller Harrow....$2,850
Brillion 15' Cultimulcher....$3,250
Brillion 15' Roller Harrow....$3,850
Kewanee 20' Flat Fold Roller Harrow....$5,950

Coming In...
White 588 5-20" On Land Plow
JD 14' Packer w/Transport
JD 444 4 row wide corn head
JD F125 3-16" Plow
IH 464 utility tractor



30 Evergreen Rd., Lebanon, PA., (717) 272-4641 or Toll Free 1-800-441-4450

Carlisle Livestock Market

Carlisle, Pa.
Tuesday, Dec. 11, 1990

SLAUGHTER STEERS: SELECT AND LOW CHOICE STRONG DEMAND CHOICE 81.00-82.25; SELECT 72.25-76.00; STANDARD 62.00-72.00; HOLSTEINS CHOICE 69.50-72.75: SELECT 65.00-69.00; STANDARD 62.00-64.75.

SLAUGHTER HEIFERS: CHOICE 76.00-78.25; SELECT 70.75-74.00; HOLSTEINS TO 62.00.

SLAUGHTER COWS: BREAKING UTILITY AND COMMERCIAL 50.00-53.85; CUTTER AND BONING UTILITY 46.50-50.00; CANNER AND LOW CUTTER 44.75-46.00; SHELLY 42.00 AND DOWN.

SLAUGHTER FAT BULLS: YIELD NO. 2 TO 62.00.

FEEDER CATTLE, FEEDER STEERS, 400-950 LBS. MEDIUM # 2 75.00-77.50. LARGE #2 65.00-69.00. HOLSTEINS 60 00-67.00.

FEEDER HEIFERS: ALL WEIGHTS, MEDIUM AND LARGE #2 63.00-74.00; FEEDER BULLS ALL WEIGHTS MEDIUM #1 74.00-77.00; MEDIUM #2 64.00-72.00.

VEAL CALVES: CHOICE 90.00-101.00; GOOD 70.00-85.00; STANDARD 40.00-55.00; LIGHT WEAK 39.00 AND DOWN.

FARM BULLS: TO 135.00; FARM HEIFERS TO 139.00.

HOGS: BARROWS AND GILTS. US#1 AND 3 210-260 LBS. 47.75-49.50; OVER 270 LBS. 46.50-47.50; UNDER 200 LBS. 35.00-40.25.

SOWS: OVER 450 LBS. 39.00-40.25; UNDER 450 LBS. 38.00-44.00; 2 AND 4s ALL WEIGHTS 34.00-37.75.

BOARS: HEAVY 34.75-35.25.

FEEDER PIGS: BY THE HEAD, 30-60 LBS. 40.00-50.00.

SHEEP: EWES AND BUCKS 18.00-31.00.

LAMBS: CHOICE 30-50 LBS. 132.50-185.00; CHOICE 70-100 LBS. 73.00-77.50; GOOD ALL WEIGHTS 53.00-85.00; MEDIUM, ALL WEIGHTS, 41.00-50.00.

GOATS: BY THE HEAD, LARGE 60.00-85.00; SMALL MEDIUM 21.00-55.00.

NOTE: SALE EVERY TUES. EVE. 5 P.M. RABBITS, POULTRY AND EGGS; 7 P.M. LIVESTOCK.

CLOSED CHRISTMAS DAY AND OPEN NEW YEAR'S DAY.

Leesport Livestock

Leesport, PA
Dec. 12, 1990

CATTLE 250...PDA... Supply included 42 head feeder cattle, 23 bulls, 57 steers, 28 heifers, and 100 cows ...Compared to last Wednesday's market: Slaughter cows and steers mostly steady. Individual Prime slaughter steer 86.10, Choice 1050/1225 lbs. 79.25-82.75, Select 73.25-79.75; Choice 1200/1590 lbs. Holsteins 70.00-73.75, one 75.00, few Select 66.00-70.75, Standard 64.75-70.00. Few High Choice & Prime 1050/1150 lbs. sl. heifers 81.75-83.00, few Choice 1050/1130 lbs. 78.75-80.00, few Select 1050/1130 lbs. 78.75-80.00, few Select 67.75-75.00. Breaking Ut. & Commercial sl. cows 51.75-54.00, few 56.00, Cutter & Boning Utility 47.50-53.00, few 55.50, low dressing 45.00-46.50, Canner & low Cutter 45.75-48.50, Shells down to 35.00. Few Choice sl. bullocks 64.00-68.25, few Select 63.00-64.50; few Select & Choice Holsteins 60.25-62.75. Few Yield Grade No. 1, 1050/1875 lbs. sl. bulls 60.50-63.25, one 69.25, few No. 2, 1030/1085 lbs. 52.00-58.75. Feeder Cattle: Lot Medium Frame No. 1, 535 lbs. steers 79.00, Large No. 2, 365/880 lbs. 66.50-71.25; one lot Medium Frame #1, 515/590 lbs. heifers 65.50, Large No. 2, 580/765 lbs. 61.00-69.00. One Lot Medium Frame No. 1, 455 lbs. bulls 86.00.

CALVES 182...Couple Choice vealers 85.00&89.00, one Good 60.00, Standard & Good 80/110 lbs. 44.00-50.00, 70/80 lbs. 38.00-45.00, few Utility 50/80 lbs. 20.00-40.00. Farm Calves: No. 1, Holstein Bulls 90/125 lbs. 110.00-123.00, No. 2, 80/115 lbs. 50.00-105.00; No. 1, 90/120 lbs. heifers 95.00-140.00, few No. 2, 80/95 lbs. 50.00-85.00. Few Beef cross 95/110 lbs. bulls & heifers 85.00-100.00.

HOGS 355...Barrows and gilts: 2.00 higher. US No. 1-3 235/250 lbs. 47.75-48.25, few 49.50, 1-3 210/270 lbs. 46.00-48.00, few 48 50, 2-3 225/275 lbs. 44.25-46.50, one 42.25, 1-3 190/210 lbs. 42.85-43.25. US No. 1-3 350/490 lbs. sows 36.50-39.50, one 40.00, 2-3, 500/635 lbs 37.00-37.75. Few Boars 37.00-37.75, few light weights 34.00-34.75.

FEEDER PIGS 148...US No. 1-3 26/28 lbs. feeder pigs 155.00-190.00, 40/65 lbs. 87.00-112.50, few 2-3 35/95 lbs. 70.00-75.00 --- all per hundredweight.

SHEEP 137...Choice 85/135 lbs. wool slaughter lambs 46.00-53.00, 70/80 lbs 47.00-63.00, Utility & Good 50/95 lbs. 40.00-62.50; New Crop: Few Choice 45/60 lbs. 100.00-132.50, one 160.00, one 25 lbs. 260.00, few 60/80 lbs. 69.00-92.50. Slaughter sheep 15.00-28.00, one 34.00. - all cwt.

GOATS 35...Large 52.50-77.50, Medium 35.00-55.00, Large Kids 30.00-45.00, few 22.50 --- all per head.

Greencastle Livestock

Greencastle, Pa.
Monday, Dec. 10, 1990

SLAUGHTER CATTLE RECEIPTS: 453 HD. SLAUGHTER STEERS: 108 HD. TREND: STEADY. HIGH CHOICE & PRIME 2-4 83.00-86.85; CHOICE 2-3 950-1075 LBS. 76.00-82.50; CHOICE 2-3 1075-1375 LBS. 77.50-83.00; CHOICE 2-3 OVER 1375 LBS. 74.00-80.00; CHOICE 4, ALL WEIGHTS 73.00-78.00; SELECT AND CHOICE 1-2 950-1100 LBS. 72.00-77.00; SELECT AND CHOICE 1-2 1100-1375 LBS. 71.00-76.50; SELECT AND CHOICE 1-2 OVER 1375 LBS. 69.00-76.00.

HOLSTEINS: CHOICE 2-3 1050-1450 LBS. 69.00-74.50; SELECT 1-2 1050-1450 LBS. 62.75-68.75.

SLAUGHTER HEIFERS: 33 HEAD. TREND: STEADY. CHOICE 2-3 850-1000 LBS. 69.00-76.50; CHOICE 2-3 1000-1250 LBS. 74.00-82.75; CHOICE 4 ALL WEIGHTS 72.00-75.50; SELECT AND CHOICE 1-2 850-1000 LBS. 68.00-74.75; SELECT AND CHOICE 1-2 1000-1250 LBS. 70.00-76.50.

HOLSTEINS: CHOICE 2-3 1000-1350 LBS. 65.50-72.75; SELECT AND CHOICE 1-2 1000-1350 LBS. 59.00-65.00.

SLAUGHTER BULLS: 26 HEAD. TREND: STEADY. YG#1 ALL WEIGHTS 62.00-69.00; YG#2 ALL WEIGHTS 56.00-61.50.

BULLOCKS: 7 HEAD. CHOICE 1-3 1150-1375 LBS. 65.50-72.50; SELECT 1-2 950-1250 LBS. 64.50-70.75.

COWS: 279 HD. TREND: 1.00 TO 2.00 HIGHER. BREAKING UTILITY AND COMMERCIAL 50.00-56.75; CUTTER AND BONING UTILITY 48.50-54.75; CANNER AND LOW CUTTER 48.25 & DOWN.

STOCKER AND FEEDER CATTLE RECEIPTS: 685 HEAD. *-INCLUDES SPECIAL FEEDER CATTLE SALE OF 12/7/90. TREND: HIGHER WITH GOOD DEMAND. BEEF TYPES: 200-400 LBS. STEERS 82.00-101.00, BULLS 76.00-94.00, HEIFERS 70.00-87.50; 400-600 LBS. STEERS 75.00-97.00, BULLS 69.00-89.00, HEIFERS 70.00-86.00; 600-800 LB. STEERS 74.00-89.00, BULLS 65.00-74.50, HEIFERS 70.00-83.50; 800-975 LBS. STEERS 70.00-82.50, BULLS 60.00-64.75, HEIFERS 65.00-77.50.

HOLSTEINS & DAIRY CROSS: 200-400 LBS. STEERS 70.00-89.00, BULLS 65.00-81.50, HEIFERS 75.00-110.00; 400-600 LBS. STEERS 67.00-80.00, BULLS 58.00-67.00, HEIFERS 70.00-80.00; 600-800 LBS. STEERS 64.00-72.50, BULLS 55.00-64.00, HEIFERS 60.00-71.50; 800-975 LBS. STEERS 58.00-65.50, BULLS 52.00-61.00, HEIFERS 59.00-64.50.

CALVES: 528 HD. TREND: STEADY TO STRONG. CHOICE 150-300 LBS. 80.00-99.00; GOOD 150-300 LBS. 70.00-80.00; GOOD 100-150 LBS. 70.00-79.00; GOOD 80-100 LBS. 46.00-60.00; STANDARD 80-100 LBS. 40.00-46.00; STANDARD 80 LBS. & DOWN 39.00 & DOWN. CALVES RETURNING TO FARM: TREND. WEAKER. HOLSTEIN BULLS OVER 100 LBS. UP TO 125.00, UNDER 100 LBS. UP TO 120.00; HOLSTEIN HEIFERS, OVER 100 LBS. UP TO 145.00, UNDER 100 LBS. UP TO 115.00; BEEF TYPE BULLS, OVER 90 LBS. UP TO 140.00, BEEF TYPE HEIFERS, OVER 90 LBS. UP TO 115.00.

SHEEP AND LAMBS: 60 HD. TREND. STEADY. CHOICE 80-100 LBS. 45.00-48.50, 100-120 LBS. 42.00-46.00; 120 & OVER 37.00-42.00; MEDIUM & GOOD ALL WEIGHTS 40.00-45.00; FEEDER LAMBS, 60-85 LBS. 50.00-59.00.

SHEEP: EWES LEAN 18.00-24.75; EWES FAT 15.00-21.00; YEARLINGS 29.00-35 00; BUCKS 15.00-22.00.

GOATS: 103 HD. SMALL 14 00-32.00, MEDIUM 34.00-54.00; LARGE 55.00-106.00.

HOGS, SOWS & BOARS: 119 HD. HOGS: BARROWS & GILTS. TREND STEADY TO 1.00 LOWER. 210-250 LBS 45.00-47.00; 250-260 LBS. 44.00-45.75, 260-270 LBS. 42.00-45 00; 270-300 LBS. 41.00-45.50.

LIGHT HOGS· 140-180 LBS. 40.00-44 00; 180-210 LBS 42 00-45 00

SOWS: TREND: 1.00 HIGHER. GOOD SOWS UNDER 400 LBS. 36.50-44.00, GOOD SOWS OVER 400 LBS. 38.00-44 00, CULL SOWS ALL WEIGHTS 35.00 & DOWN.

BOARS TREND STEADY. 180-210 LBS. 34 00-36.00, 210-260 LBS 35 00-38 00, 260-300 LBS 32 00-35 50; 300 LBS. & OVER 34 00-35.50.

NO SALE MONDAY, DEC. 24TH DUE TO HOLIDAY.

SALE EVERY MONDAY AT 2 00 P.M. & EVERY THURSDAY AT 1.00 P.M.

HAY & STRAW SALE EVERY MONDAY & THURSDAY AT 11:30 A.M.

SPECIAL FEEDER CATTLE SALE: FRIDAY, JAN. 4 AT 7:15 P.M.

SPECIAL FEEDER PIG SALE: SATURDAY, DEC. 22 AT 1.00 P.M.

Oklahoma City Feeder Cattle

Dec. 12, 1990

COMPARED TO LAST WEEK'S CLOSE: STEER CALVES AND STEERS UNDER 650 LB. AND HEIFER CALVES AND HEIFERS UNDER 600 LB. STEADY. STEERS OVER 650 LB. FIRM TO $2.00 HIGHER, GREATEST ADVANCE ON WEIGHTS ABOVE 775 LB. HEIFERS 600-700 LB. $3.00-$4.00 HIGHER, OVER 700 LB. FIRM TO $1.00 HIGHER. DEMAND GOOD. CALF TRADE MODERATELY ACTIVE. YEARLING TRADE ACTIVE. UNDER 500 LB. CALF PERCENTAGE DROPPED SHARPLY FROM LEVELS OF PAST FEW MONTHS. SUBSTANTIAL SUPPLY OF 500-600 LB. CALVES AND SHORT-YEARLINGS. FEEDER QUALITY AVERAGE TO MOSTLY ATTRACTIVE. WIDE VARIANCE OF THIN TO MODERATELY FLESHY CALF CONDITIONS. YEARLINGS LARGELY AVERAGE THROUGH MODERATELY FLESHY. WEIGHING CONDITIONS AVERAGE. SLAUGHTER COWS $.50-$1.00 HIGHER. PACKER DEMAND MODERATE TO GOOD. STOCKER COW DEMAND VERY GOOD; COUNTRY BUYERS TOOK TWO-THIRDS OF COW NUMBERS. SLAUGHTER BULLS $1.00-$1.50 LOWER. BULL DEMAND MODERATE. RECEIPTS THIS WEEK 8,550; LAST WEEK 8,833; LAST YEAR 6,063. SUPPLY INCLUDED 55% YEARLINGS, 33% CALVES, AND 12% COWS & BULLS. BULK PRICE RANGES FOR THE WEEK FOLLOW:

FEEDER STEERS: MEDIUM AND LARGE FRAME 1, 250-350 LB. $124.00-$133.50; MIXED STEERS AND BULLS 350-400 LB. $114.00-$125.00 AND 400-450 LB $109 00- $116.00; STEERS 450-500 LB. $104.00-$116.00; 500-550 LB. $101.50-$108.00; 550-600 LB. $97.00-$105.25, FLESHY $93.25-$96.00; 600-650 LB. $94.25-$98.00; 650-700 LB. $93.25-$97.00; 700-750 LB. $93.25-$96.00; 750-800 LB. $92.50-$94.50; 800-900 LB. $87.50-$92.00. LARGE FRAME 2 HOLSTEINS, 300-400 LB. $102.00-$111.00; 500-550 LB. $86.75- $90.00; 600-700 LB. $74.50-$80 00; 800-900 LB. $71.00-$74.25.

FEEDER HEIFERS. MEDIUM AND LARGE FRAME 1, 275-350 LB. $108.00-$112.50; 350-400 LB. $98 00-$107.00; 400-500 LB. $95.00-$105.00, 500-600 LB $89 00-$94 00; 600-700 LB. $88 00-$93.00, 700-800 LB $86 00-$88 25, FLESHY $84 50-$86 50, 800-875 LB. $80.00-$85 25

SLAUGHTER COWS CUTTER, BONING AND BREAKING UTILITY Y.G. 1-4 AVERAGE DRESSING $47.00-$50 00; HIGH DRESSING $49 00-$52 00; VERY HIGH DRESSING $52.00-$53.25; LOW DRESSING $44 50-$47.75. CANNER AND LOW CUTTER $40.25-$44.50.

SLAUGHTER BULLS: Y.G 1 1175-2150 LB. AVERAGE DRESSING $58 00-$62.25; HIGH DRESSING $61 50-$63.50, HIGH DRESSING/HIGH BONING $66.25; LOW DRESSING $54.25-$58.00.

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- Feed stays fresh in any weather
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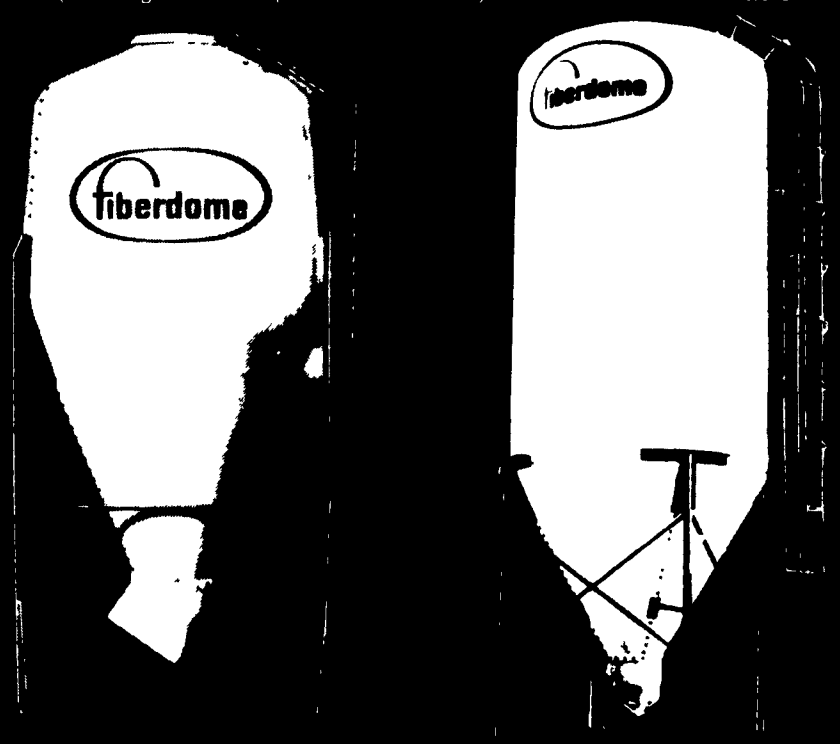
(Tonnage based upon 40 lb density) Industrial Bins Available



(2½ 10½ Ton) (11 30 Ton)

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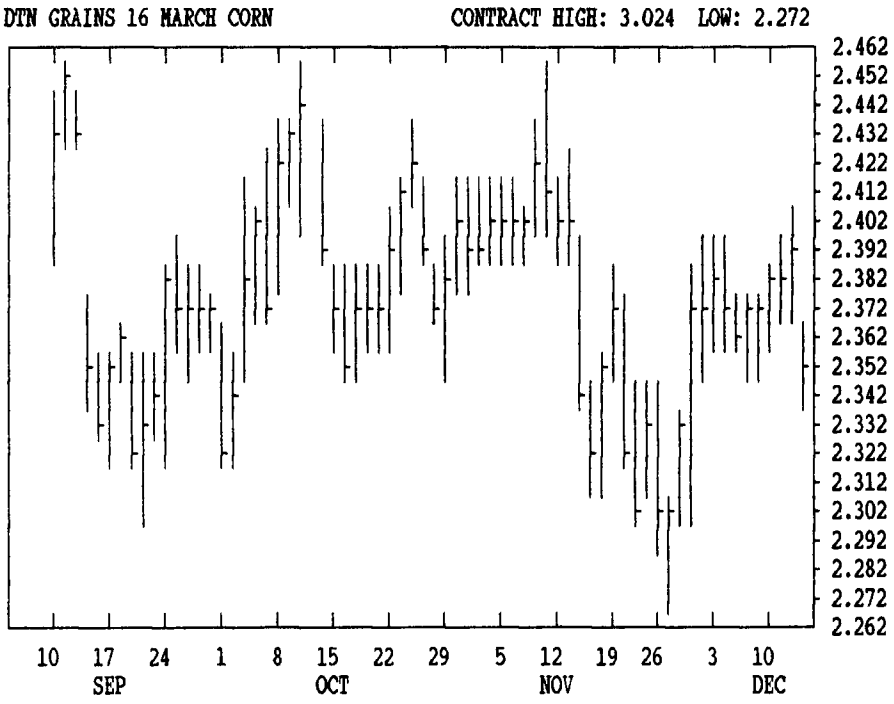
GRAIN, CATTLE AND HOG FUTURES MARKETS

From DTN farmer satellite daily update. Service phone: (717) 731-1520

(Closing bids: Thursday, Dec. 13)



DTN FUTURES 10 12/13/90 TECHNICAL COMMENTS

		MOVING AVERAGES			RSI'S		5 DAY SLOWED STOCHASTIC	
	CLOSE	4-DAY	9-DAY	18-DAY	9 DAY	14 DAY	K	D
MAR WHEAT	2.65	2.66 1/2	2.64 3/8	2.63 1/4	49	45	69	80
JLY91 WHT	2.74 3/4	2.76 7/8	2.76 1/4	2.77	40	40	49	66
KC MAR WHT	2.65 3/4	2.67 3/4	2.66 3/4	2.66	44	42	63	76
KCJLY91 WH	2.74 1/2	2.76 1/8	2.75	2.74 1/2	45	43	68	80
MAR CORN	2.35 1/4	2.37 3/4	2.37 5/8	2.35 5/8	44	46	52	62
JUL91 CN	2.50	2.52	2.51 1/4	2.49 1/2	48	50	59	76
DEC91 CRN	2.51 3/4	2.52 1/2	2.51 1/4	2.50 1/8	55	54	77	83
JAN BNS	5.88	5.93 7/8	5.95 7/8	5.88 7/8	45	46	40	46
JUL BNS	6.29 1/4	6.35	6.36	6.28 1/4	46	47	48	55
NOV91 BNS	6.24 1/4	6.26 3/4	6.25 3/4	6.18 2/3	55	55	74	76
MAR MEAL	180.80	182.05	182.86	181.34	46	47	56	51
MAR OIL	21.76	21.88	21.97	21.62	48	46	28	36
FEB CTTL	76.42	76.74	75.97	76.00	57	57	77	87
JUN CTTL	74.37	74.54	74.10	74.00	61	62	75	83
JAN FDRS	88.87	88.83	88.34	88.03	69	67	73	81
FEB HOGS	48.45	48.73	48.20	49.29	42	42	70	77
JUN HOGS	49.82	49.98	49.58	50.59	43	46	77	80
FEB BELS	64.92	66.30	65.18	67.38	41	44	73	79

CORN

	HIGH	LOW	LAST	CHG
DEC	2244	2224	2230*	-40
MAR	2364	2346	2352*	-40
MAY	2446	2430	2434*	-36
JLY	2510	2494	2500*	-32
SEP	2530	2506	2510*	-26
DEC	2530	2504	2516*	-20
MAR	2596	2574	2586*	-20
MAY				
JLY				

SOYBEANS

JAN	5890	5850	5880*	-86
MAR	6042	6004	6026*	-92
MAY	6180	6144	6170*	-92
JLY	6294	6260	6292*	-84
AUG	6320	6284	6320*	-76
SEP	6256	6234	6250*	-64
NOV	6244	6220	6242*	-50
JAN	6354	6334	6350*	-54
MAR	6470	6470	6470*	-60
MAY				

LIVE CATTLE

	HIGH	LOW	LAST	CHG
DEC	8097	8030	8092*	+7
FEB	7655	7600	7642*	-25
APR	7660	7607	7652*	-23
JUN	7447	7410	7437*	-18
AUG	7295	7265	7282*	-15
OCT	7300	7275	7280*	-27
DEC	7375	7375	7375*	-15
FEB				

SWISS FRANC

DEC	7945	7880	7896*	-36
MAR	7921	7860	7874*	-36
JUN	7890	7840	7854*	-34

BRITISH POUND

DEC	19520	19410	19458*	-28
MAR	19230	19124	19176*	-26
JUN	18964	18950	18950*	-38

JAPANESE YEN

DEC	7607	7559	7563*	-34
MAR	7601	7551	7557*	-33
JUN	7585	7545	7551*	-29

CHICAGO WHEAT

	HIGH	LOW	LAST	CHG
DEC	2544	2520	2544*	-4
MAR	2650	2620	2650*	-20
MAY	2720	2694	2720*	-14
JLY	2754	2730	2746*	-16
SEP	2814	2800	2810*	-10
DEC	2930	2912	2930*	-14

OATS

DEC	1080	1074	1080*	-20
MAR	1182	1166	1180*	-14
MAY	1234	1222	1232*	-16
JLY	1284	1276	1284*	-16

SOYBEAN MEAL

DEC	1750	1725	1750*	-23
JAN	1760	1738	1757*	-29
MAR	1809	1790	1808*	-28
MAY	1845	1828	1843*	-28
JLY	1878	1860	1876*	-24
AUG	1885	1875	1880*	-25
SEP	1875	1865	1872*	-28
OCT	1870	1860	1870*	-7

FEEDER CATTLE

	HIGH	LOW	LAST	CHG
JAN	8890	8845	8887*	+15
MAR	8635	8590	8630*	+18
APR	8465	8435	8457*	0
MAY	8345	8310	8335*	-20
AUG	8300	8280	8292*	-28
SEP	8240	8230	8240*	-30
OCT	8230	8205	8215*	-40
NOV	8230	8230	8230*	-20

EURODOLLAR

DEC	9237	9220	9222*	-12
MAR	9281	9264	9267*	-10
JUN	9289	9274	9277*	-6
SEP	9280	9267	9270*	-4
DEC	9248	9239	9242*	-3
MAR	9231	9221	9225*	-4

S&P 500 INDEX

DEC	33185	32910	32995*	-160
MAR	33435	33170	33250*	-160
JUN	33725	33500	33550*	-150
SEP	34020	33800	33850*	-140

K.C. WHEAT

	HIGH	LOW	LAST	CHG
DEC	2640	2620	2620*	-42
MAR	2664	2646	2656*	-30
MAY	2710	2700	2710*	-24
JLY	2746	2734	2744*	-20
SEP	2796	2792	2796*	-24

MINN WHEAT

DEC	2550	2550	2550*	-20
MAR	2614	2596	2606*	-30
MAY	2684	2670	2684*	-22
JLY	2750	2740	2744*	-20
SEP	2794	2784	2794*	-4

SOYBEAN OIL

DEC	2137	2121	2125*	-22
JAN	2160	2137	2145*	-12
MAR	2190	2168	2176*	-11
MAY	2215	2199	2204*	-14
JLY	2232	2215	2220*	-16
AUG	2223	2208	2210*	-12
SEP	2210	2195	2202*	-13
OCT	2198	2190	2192*	-11

LIVE HOGS

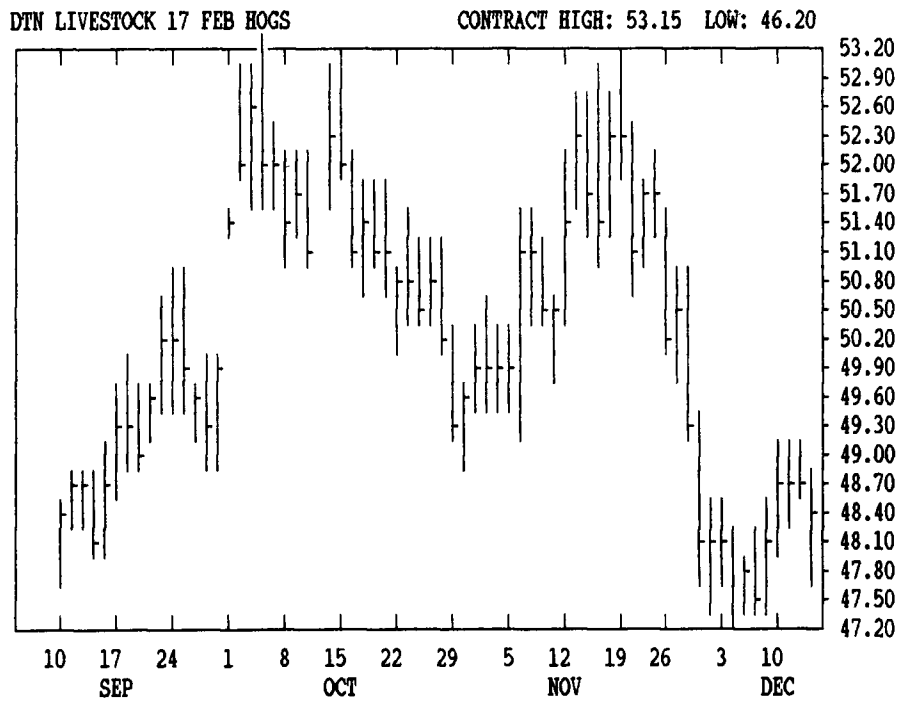
	HIGH	LOW	LAST	CHG
DEC	4987	4940	4960*	-25
FEB	4875	4790	4845*	-40
APR	4645	4582	4642*	-5
JUN	5007	4960	4982*	-33
JLY	5030	4990	5017*	-3
AUG	4910	4860	4890*	-15
OCT	4405	4392	4395*	-15
DEC	4455	4455	4455*	-20

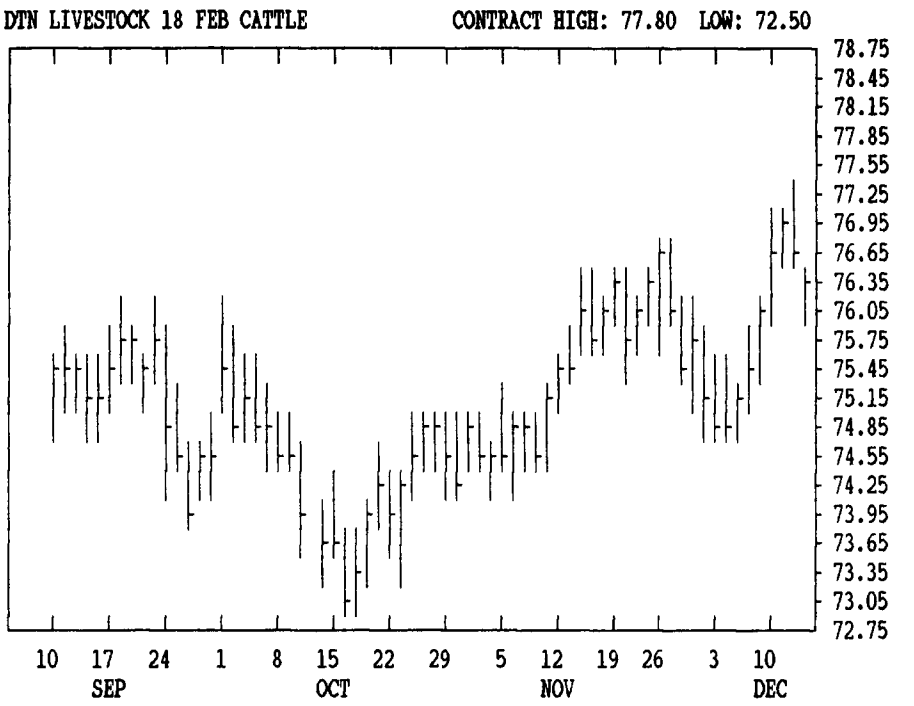
PORK BELLIES

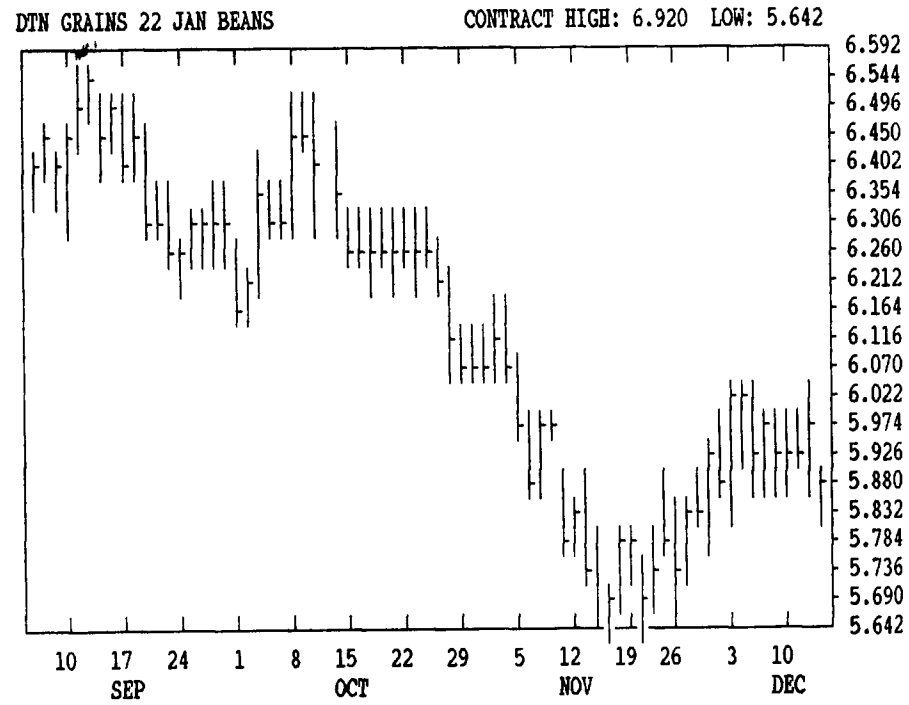
FEB	6635	6492	6492*	-200
MAR	6540	6392	6392*	-200
MAY	6510	6390	6390*	-200
JLY	6440	6300	6300*	-200
AUG	6290	6030	6030*	-200
FEB				

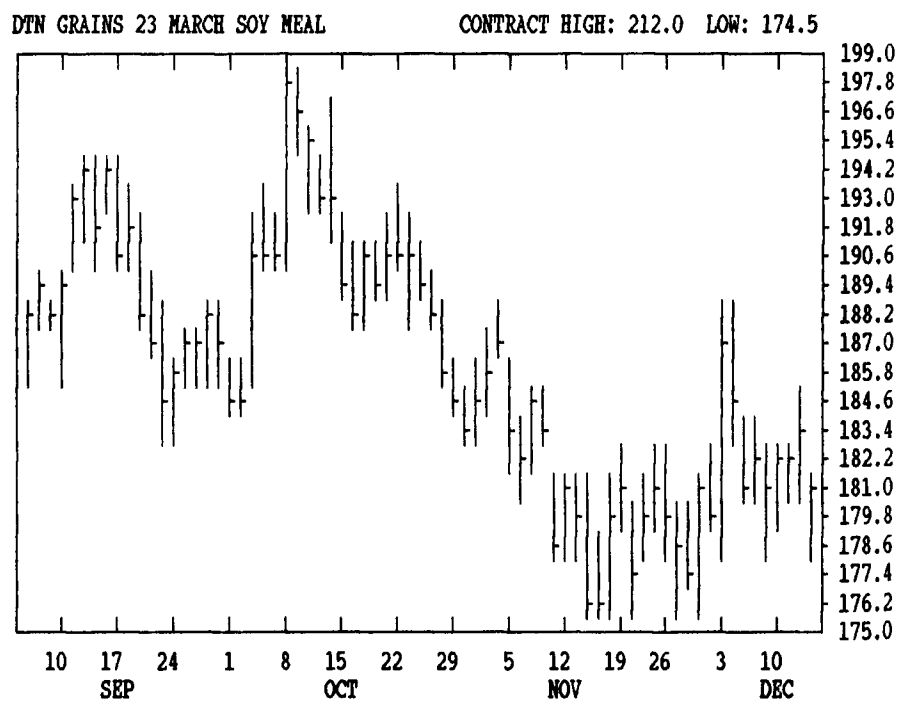
W. GERMAN MARK

DEC	6784	6749	6762*	-11
MAR	6760	6719	6734*	-11
JUN	6712	6695	6702*	-11
SEP	6683	6672	6672*	-11









Central U.S. Carlot

Pork Report
Dec. 12, 1990
Report supplied by USDA

CENTRAL U.S. CARLOT PORK REPORT FOB OMAHA BASIS INCLUDES MAJOR PRODUCTION AREAS IN MIDWEST AS OF 3:00 P.M.

COMPARED TUESDAY'S 3:00 P.M. CLOSE: FRESH PORK LOINS FIRM TO 4.00 HIGHER; BOSTON BUTTS FIRM TO 3.00 HIGHER; SKND. HAMS 17-20 LBS. MOSTLY 9.00 LOWER, 20-26 LBS. WEAK TO MOSTLY 2.00 LOWER; SDLS. BELLIES FIRM IN LIGHT TET. DEMAND VERY GOOD, MOVEMENT ACTIVE ON LIGHT TO MODERATE SUPPLIES, EXCEPT FOR HAMS MODERATE TO HEAVY.

LOADS PORK CUTS 97.5
LOADS TRIM/ PROCESS PORK
PORK CUTS 31.5
LOINS, REG., FRESH

14-18 LBS.*, 8 LOADS, PRICE RANGE 106.00-112.00, WGHTD AVG. 110.19.

¼" TRIM, 14-18 LBS., 8 LOADS, RANGE 125.00-131.00, WGHTD. AVG. 128.31.

18-22 LBS.*, 5 LOADS, 104.00-110.00, WGHTD. AVG. 107.20.

¼" TRIM 18-22 LBS., 5 LOADS, RANGE 124.00-130.00, WGHTD. AVG. 127.20.

COMBOS 22/UP LBS., RANGE 82.00, WGHTD. AVG. 82.00 A.

LOIN,BLS CTRCT 5-7 LBS.

1.5 LOADS, RANGE 230.00-231.00, WGHTD.AVG. 230.33.

BNLS SIRLOIN .75-1 LB.

.5 LOADS, RANGE 142.00, WGHTD. AVG. 142.00.

TNDRLN, MUSCLE-OFF

.5 LOADS, RANGE 324.00, WGHTD. AVG. 324.00.

BOSTON BUTT

4-8 LBS. *, 4 LOADS, RANGE 83.00-88.00, WGHTD. AVG. 85.00.

¼" TRIM 4-8 LBS., 4.0 LOADS, RANGE 101.00-106.00, WGHTD. AVG. 103.25.

COMBOS 8/UP LBS., .5 LOADS, RANGE 73.00, WGHTD. AVG. 73.00.

SPARERIB, FRESH

1.5-3.5 LBS., RANGE 113.00-115.00, WGHTD. AVG. 114.00 A.

SPARERIBS, FROZEN

1.5-3.5 LBS., RANGE 112.00, WGHTD. AVG. 112.00 D.

3.5-5.5 LBS., RANGE 88.00, WGHTD. AVG. 88.00 C.

LOIN, BACKRIB (BOXED)

FRSH/FRZN 1.5/DN LBS., RANGE 275.00, WGHTD. AVG. 275.00 C.

FRSH/FRZEN 1.75/DN LBS., 1.5 LOADS, RANGE 223.00-242.50, WGHTD. AVG. 236.00.

HAM, SKINNED, FRESH

17-20 LBS., 15 LOADS, RANGE 70.00-73.00, WGHTD. AVG. 70.20.

20-26 LBS., 36 LOADS, RANGE 59.00-65.00, WGHTD. AVG. 61.44.

26-32 LBS., RANGE 67.00, WGHTD. AVG. 67.00 B.

32/UP LBS., 1 LOAD, RANGE 54.00, WGHTD. AVG. 54.00.

BELLY, SDLS, SKIN-ON, FRESH

10-12 LBS., RANGE 55.00, WGHTD. AVG. 55.00 A.

12-14 LBS., 5.0 LOADS, RANGE 58.50, WGHTD. AVG. 58.50.

14-16 LBS., 7 LOADS, RANGE 58.50, WGHTD. AVG. 58.50.

16-18 LBS., 8 LOADS, RANGE 54.50-55.75, WGHTD. AVG. 54.91.

18-20 LBS., 2 LOADS, RANGE 50.50, WGHTD. AVG. 50.50.

20-25 LBS., 2 LOADS, RANGE 44.50-45.50, WGHTD. AVG. 45.00.

PORK TRIMMINGS
BONELESS PROCESSING PORK (CHEMICAL LEAN)

COMBO 42% FRESH, 5.5 LOADS, RANGE 27.00, WGHTD. AVG. 27.00.

BOXED 42% FROZEN, 1 LOAD, RANGE 35.50, WGHTD. AVG. 35.50.

COMBO 72% FRESH, 2.5 LOADS, RNAGE 70.00, WGHTD. AVG. 70.00.

BOXED 72% FROZEN, 3.5 LOADS, RANGE 76.00-77.00, WGHTD. AVG 76.29.

PICNIC CUSHION MEAT

COMBO 92% FRESH, RANGE 140.00-143.00, WGHTD. AVG. 141.00 A.

BONELESS PICNIC MEAT

COMBO 72% FRESH, 5 LOADS, RANGE 72.00, WGHTD. AVG. 72.00.

BOXED 72% FROZEN, 13 LOADS, RANGE 77.00-78.00, WGHTD. AVG. 77.31.

SKINNED JOWLS

COMBO FRESH, RANGE 25.00, WGHTD. AVG. 25.00 D.

BOXED FROZEN, 1 LOAD, RANGE 27.00, WGHTD. AVG. 27 00

NOTE. (*)REFLECTS ¼" TRIMMED PRODUCT BROUGHT BACK TO A REGULAR COMMODITY BASIS.

ABCDE AFTER QUOTES REPRESENTS DAYS SINCE LAST ACTUAL MARKET TEST QUOTES ARE DROPPED AFTER 5 DAYS OF NO TEST OR BEFORE IF THEY NO LONGER REFLECT CURRENT MARKET CONDITIONS

PORK CARCASS CUTOUT
WEDNESDAY, DEC. 12

ESTIMATED GROSS CUTOUT VALUES OF A 175 LB. HOG CARCASS BASED ON USDA CUTTING YIELD TESTS AND CARLOT PRICES. WEDNESDAY'S CARCASS GRADES AND PRICES PER CWT.:

US#1 71.84, CHANGE FROM TUES. VALUE -1.20; US#2 69.63, CHANGE -1.14; US#3 67.42, CHANGE -1.08; US#4 65.21, CHANGE -1.02.

TODAY'S CALCULATIONS FOR US#2 175 LB. PORK CARCASS:

HAM, SKINNED, 14-20 LBS., 21.01% OF CARCASS, 73.00 FOB VALUE, CHANGE FROM TUES. -9.00; LOINS, ¼" TRIM, 14-22 LBS., 20.33% OF CARCASS, 127.75 FOB VALUE, CHANGE FROM TUES. 2.75.

BELLIES, SDLS, 12-14 LBS , 13.90% OF CARCASS, 58.50 FOB VALUE, 50 CHANGE FROM TUES.; SPARERIBS, 3.5 DN. LBS., 3.03% OF CARCASS, FOB VALUE 114.00.

PICNICS, 8-12 LBS., 10.31% OF CARCASS, FOB VALUE 49.00, CHANGE FROM TUES. -0.50; BUTTS, ¼" TRIM, 4-8 LBS , 7.25% OF CARCASS, 103 25 FOB VALUE, CHANGE 2.75.

JOWL, 2 85% OF CARCASS, 25.00 FOB VALUE; NECKBONES, 1.52% OF CARCASS, FOB VALUE 15.00

FEET, 1 05% OF CARCASS, 19 00 FOB VALUE; TAILS, .22% OF CARCASS, FOB VALUE 53 00

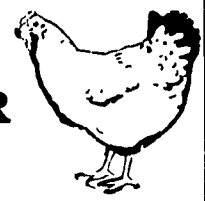
TRIM 72%, 2 19% OF CARCASS, 70.00 FOB VALUE; LARD, 10 85% OF CARCASS, 13.00 FOB VALUE, CHANGE -0.25.

TOTAL CARCASS: 94.51%.

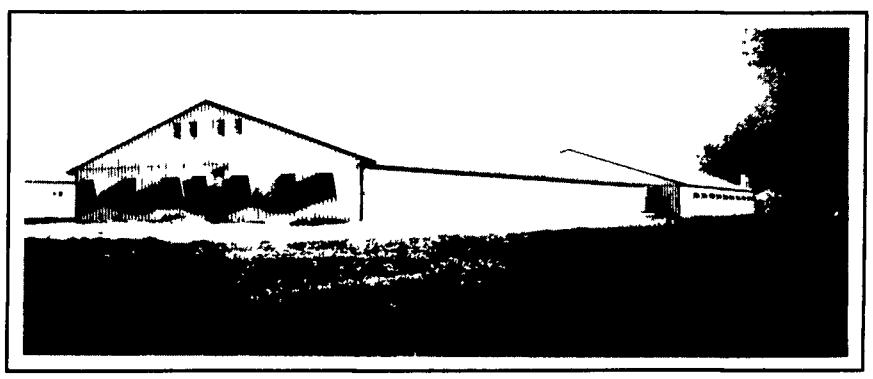
US#2 CARCASSS VALUE PER CWT 69.63

NOTE: VALUE MAY CHANGE WITHOUT ADEQUTE TEST.

LOOKING FOR EXTRA CASH FLOW FOR YOUR FAMILY FARM?



EXCELLENT CONTRACTS AVAILABLE FOR HOGS & POULTRY



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★ A GUARANTEED LONG TERM CONTRACT

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Farmers Should Exercise Dairy Cows

EDWARD J. WOODS
Washington Co. Agent

I know that many of our dairy farmers keep their milking cows confined to the stall barns much of the time. This is easy to do when you are short of labor during the winter months.

In order to have a healthy herd, the cows should be allowed outside to exercise daily unless severe weather conditions exist. The exercise will not only keep their feet and legs in better condition, but will permit the cows in heat to be detected — that is often a problem when cows are kept confined too much of the time.

If the herd is turned out for 15 to 30 minutes each day, the time involved will be very worthwhile. You'll find very few days when the weather will interfere.

Knock Out Those Alfalfa Weeds

Winter weeds in our alfalfa fields are every bit as predictable as summer weeds are in corn and soybeans.

Colder weather is here and hay fields are dormant. We now have a choice to use different herbicides, depending largely on the kinds of weeds present that need to be knocked out.

The most commonly found winter annuals at this time include chickweed and the four mustard weeds — shepherds purse, pepperweed, pennycress, and yellow rocket. Also, expect to see seedlings of other weeds plus some tough perennials, too. It pays to know your weeds before selecting the herbicide.

Check the "Agronomy Guide" and *read the label* on the container or package. There are directions and limitations to get the job done right — in the next six weeks.

Evergreens Drop Some Of Their Needles During Fall

Don't worry if your evergreens drop some of their needles during the fall.

This is because pines, spruces, and similar evergreens usually start dropping one year's growth of needles during September and continue well into October.

In Scotch pines, the 3-year-old needles turn yellowish and then fall off. The red pine usually drops its 4-year-old needles, while the white pine normally keeps only 1 or 2 year's growth of needles.

Don't be concerned if your evergreens have dropped or are still dropping needles. The needles which are lost are those nearest the center of the tree. The younger, green needles remain at the ends of the branches.

While this shedding operation is in progress, the trees often appear to be dead or dying. However, as soon as they are exposed to a hard wind or heavy rain, the old needles are knocked to the ground and the trees again appear normal.

C.B. HOOBER & SON, INC.
Intercourse, PA
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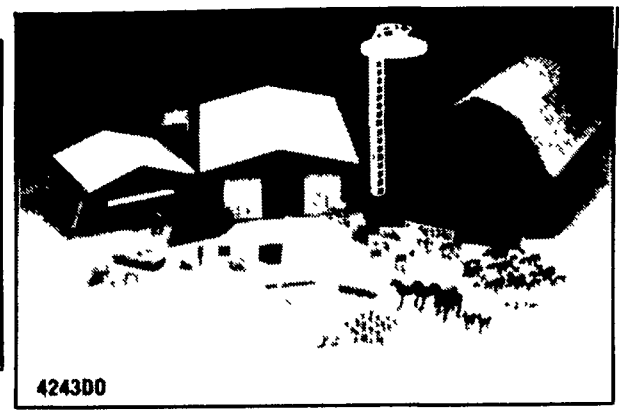

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GARST SEED COMPANY

8116 GREAT VALUE

Bedford Co. DHIA

dhia Monthly Report

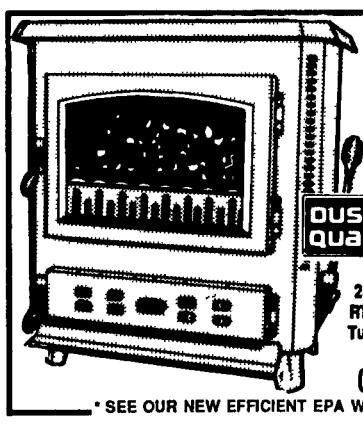
Pennsylvania Dairy Herd Improvement Association

Bedford County DHIA
October, 1990
Rolling Herd Average

Name	Brd.	# Cows	# Days	Milk Lbs.	Fat Lbs.	Protein Lbs.
Cove Crest Farms	3	62.6	89.3	21,865	800	702
Meadow Creek Farm	B3	173.0	89.2	21,669	810	676
Paul & David Helsel	B3	104.0	89.4	20,671	733	674
Paul+Steve Ritchey	3	73.8	88.3	20,933	798	669
Andy T Mohr	B3	59.5	92.3	21,244	759	667
Paulden Farms	3	74.9	92.2	20,411	731	663
Donald Bowser	B3	56.9	87.6	20,028	777	654
Sunny Four Farm Inc	3	70.5	89.3	20,479	747	645
Hidden Dream Farm	B3	40.8	86.3	19,882	697	642
Allenor Holstein Farm	3	116.1	88.4	20,006	712	642
Roger R Brumbaugh	B3	42.1	89.0	20,504	664	64
0						
Rod + Cathy Carson	B3	46.7	87.3	19,866	725	634
Pa-Riss Holsteins	B3	29.0	88.3	20,560	701	632
Garmandale Farm	3	62.2	87.5	20,018	749	628
James Eshelman	G3	107.0	90.2	20,030	729	615
Paul I Detwiler	3	101.4	94.1	18,616	766	614
Russell Guntz	B3	41.3	88.3	18,911	728	613
Raymond R Yoder-&Sons	B3	63.8	90.0	19,085	731	612
Phil+Cindy Steele	B3	68.4	87.4	20,198	716	610
Obie Snider	3	195.2	84.8	19,670	735	609
Duane+Linda Biddle	B3	45.8	88.9	19,397	697	609
John J Rissler	B3	35.1	87.9	19,060	689	596
Car Den Holsteins	B3	53.1	86.4	18,220	676	595
JTJ Wakefield Farms	B3	100.3	88.3	18,682	706	592
Snider Homestead	B3	18.1	85.6	17,803	670	591
Russell Wyles	B3	76.7	90.5	18,405	641	591
Perry A Shaffer	B3	38.6	88.3	18,765	629	589
Rocky-Side Farm	3	69.9	89.0	18,282	668	589
Anthony Wertz	B3	71.3	86.1	18,700	671	588
James + Karla Levy	B3	38.0	83.9	17,988	646	587
Harold S Zimmerman	B3	40.2	87.5	19,441	670	587
Jerry L Hershberger	B3	131.9	87.2	18,742	687	58
5						
Dick&Eleanor Rice	G3	69.3	84.0	18,245	684	579
Denton Clark	B3	40.0	87.8	17,601	677	569
Brubaker+ Mellott	B3	90.0	86.3	17,954	611	566
Dale A Baker	B3	55.8	90.6	17,655	644	565
CH & Ross Hershberger	B3	167.2	89.6	17,573	698	560

Lactation Report

Allenor Holstein Farm					
Bettysu	3	6-10	27,751	1025	837
Hattie	3	5-1	26,264	970	825
Larry Beach					
111	3	5-1	25,282	894	691
Blair L Bennett					
110	3	6-1	27,625	989	851
149	3	5-2	25,252	871	733
Duane & Linda Biddle					
Lulu	3	6-4	23,806	860	773
Donald Bowser					
14	3	6-6	25,155	960	748
Molly	3	5-11	23,804	1093	781
Tiffany	3	0-0	19,558	861	650
Denton Clark					
Colette	3	3-6	23,496	862	776
Cove Crest Farms					
Linda	3	6-4	26,432	855	759
Edward L Creps					
Sibil	3	6-2	25,577	857	775
Marlin Detterline					
254	3	4-7	22,285	998	735
Paul I Detwiler					
225	3	7-7	20,250	857	619
256	3	6-9	23,792	948	745
James Eshelman					
736	3	3-5	26,463	1106	750
Albert C Fulmor					
35	3	5-2	31,602	939	911
Garmandale Farm					
Love	3	8-1	20,970	891	679
Russell Guntz					
86	3	3-10	24,143	897	756
CH & Ross Hershberger					
Linda	3	5-10	20,736	1003	639
R Clair Koontz					
Ali	3	5-5	20,512	918	733
Meadow Creek Farm					
161	3	6-2	25,389	876	695
117	3	5-4	26,556	1049	810
16	3	3-10	22,868	912	634
113	3	3-6	23,555	861	709
PA-Riss Holsteins					
113	3	3-3	25,718	878	798
Ralaine Jerseys					
Glitter	4	6-10	16,289	751	612
Cupcake	4	3-1	12,202	710	502
Charm	4	3-0	15,072	727	585
Dick & Eleanor Rice					
242	3	5-1	18,630	862	668
258	3	4-4	20,732	955	695
John J Rissler					
Jewel	3	4-2	23,596	853	689
Paul & Steve Ritchey					
229	3	5-6	27,113	1014	846
301	3	3-1	24,333	917	739
Rocky-side Farm					
40	3	5-5	29,186	917	901
Greg & Betty Shaffer					
Millie	3	5-4	18,312	852	621
Snider Homestead					
Bedford	2	4-3	18,531	867	620
Onyx	2	3-7	18,124	735	614
Obie Snider					
Suzie	3	10-0	22,575	936	639
# A 5	3	8-1	25,677	941	714
Lil	3	5-4	26,590	1110	808
Misty	3	5-4	24,459	882	776
Stan-El Jerseys					
Stella	4	4-11	15,145	720	545
Russell Wyles					
380	3	6-0	26,162	943	806



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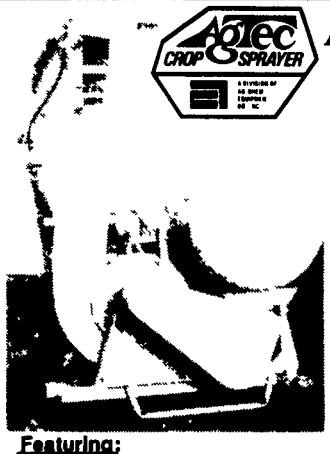

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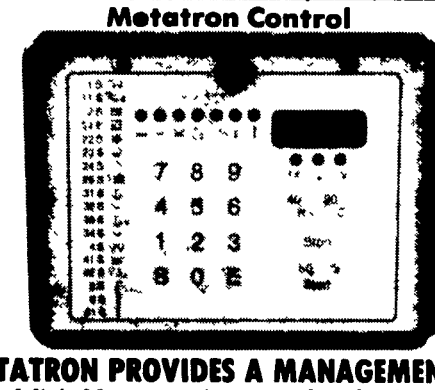

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Farmers Should Consider Environment

(Continued from Page A1)

Scott A. Harrison, Penn State, looks at agriculture and what farmers can do to insure water quality at the tillage conference.

A unique "Agritrends" on-line satellite teleconference, in which members of the conference spoke via satellite to ag economists from Ohio State, brought some straightforward answers to what farmers may face in the industry in the coming years.

A special panel on environmental concerns touched on some of the aspects of the 1990 Farm Bill. Panels on nitrate leaching losses from corn fields, agricultural water quality, and wetland regulations brought home some of the concerns farmers must learn to face.

Exact data

Presented by Richard H. Fox, Penn State Field Crop Production Systems, Dept. of Agronomy, the nitrate leaching panel emphasized some of the headway that the college has made in providing exact data on nitrate leaching.

Fox touched upon some of the results of a special 1983 study by the League of Women Voters. This $25 million study underlined the need for more information on

(Turn to Page A31)

Barry Isaacs, USDA Soil Conservation Service, speaks about new wetland regulations and how they will affect agriculture at the tillage conference in Camp Hill.

The Latest In Chemical Weed Control

DR. RONALD L. RITTER
Extension Weed Control Specialist
Department Of Agronomy
University Of Maryland

Editor's Note: These new herbicide products were discussed at the 1990 Mid-Atlantic Conservation Tillage Conference.

A lot of interest and enthusiasm has been generated over the past few years by farmers and agribusiness people regarding the use of some new crop protection chemicals.

More specifically, the synthesis, development, and introduction of the families of herbicide compounds known as the sulfonylureas and imidazolinones have created a great sense of optimism in the farming community as they pertain to combating their weed problems.

Many of these new materials labeled for use in the mid-Atlantic region are outlined in Table 1.

Table 1. New Herbicides Labeled For Use In The Mid-Atlantic Region

Sulfonylureas	Imidazolinones
Accent	Pursuit
Beacon	Scepter
Canopy	
Classic	
Gemini	
Harmony Extra	
Pinnacle	

Other products such as Command, Assure, and Reflex, all labeled for use in soybeans, have been recently introduced as well. Changes have also occurred within existing products. For instance, paraquat formulations have changed three times, while multiple glyphosate formulations are offered for sale. These are outlined in Table 2.

Table 2. Comparisons Of Paraquat And Glyphosate Formulations

Paraquat Formulations

Product	Formulation (lbs. ai/gal)	lbs. ai/pt
Paraquat/Gramoxone	2.0	1 pt = 0.25
Gramoxone Super	1.5	1 pt = 0 187
Gramoxone Extra	2.5	1 pt = 0.132

Glyphosate Formulations

Product	Ingredients	lbs. ai/gal
Bronco	Roundup + Lasso	1.4 + 2.6
Honcho	Roundup - Surfactant	4.0
Landmaster II	Roundup + 2,4-D	1.2 + 1.0
Ranger	Roundup + Surfactant	2.7
Roundup	Roundup + Surfactant	4.0

Finally, the chemical industry has also made changes in container design by offering bulk and mini-bulk packaging, new product formulations such as the numerous dry flowable products now available, and even water soluble packets which Beacon is designed as.

Coupled with this are the numerous package-mixes now available, which eliminate the need to buy two products. Some recent package-mixes made available for use in corn and soybeans are outlined in Table 3.

Table 3. New Package-Mix Herbicides Available For Use In Corn And Soybeans.

Product Name	Ingredients
CORN	
Bicep 6L	Dual + Aatrex
Bullet	Lasso MT + Atrazine
Extrazine II	Bladex + Atrazine
Laddok	Basagran + Atrazine
Lariat	Lasso EC + Atrazine
Marksman	Banvel + Atrazine
Sutazine +	Sutan + + Atrazine
SOYBEANS	
Canopy	Classic + Lexone
Commence	Command + Treflan
Gemini	Classic + Lorox
Passport	Pursuit + Trifluralin
Pursuit Plus	Prowl + Pursuit
Salute	Sencor + Treflan
Squadron	Prowl + Scepter
Storm	Basagran + Blazer
Tri-Scept	Scepter + Trifluralin
Turbo	Sencor + Dual

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Dairyman's Herd

(Continued from Page A1)

The dairy operation is under the guidance of James and, within three years, the dairy has gone from being the new boy on the block to leading producer in the county.

End-of-year records from the Pennsylvania Dairy Herd Improvement Association (Pa. DHIA) attest to the determination of the young dairyman to create a strong business.

Dunn has 58 animals on test — 35 registered Holsteins and 23 grade. From 1989 to 1990, the herd has gone from a rolling herd average of 18,571 pounds of milk to 24,220 pounds of milk. That's an average increase of 5,649 pounds of milk per cow.

The protein average has gone from 594 pounds to 796 pounds. That's an average increase of 202 pounds of protein per cow.

And almost as out-of-the-norm as is the location of the farm, Dunn didn't grow up with a dairy backround.

Instead, James Dunn's agricultural backround shows a predilection toward non-dairy farming.

Even though a fan of dairy cattle since he was 12 years old, in high school his 4-H projects were beef animals. His high school vo-ag teacher even tried to talk him out of considering dairying as a business.

His father, Robert C. Dunn, advised him to be sure it was what he wanted, what his eventual wife would want, if he were to marry. Which he did.

Although the elder Dunn was involved in the fruit and vegetable business, he told his son that dairying involves perhaps more of a commitment — mentally, physically and financially — than other vocations.

Robert Dunn told his son that getting in dairying, especially today, isn't something that can be done half-heartedly.

But eventually, James convinced his family that his commitment to running a dairy farm was real. His desire to have a dairy farm did not go away between 12 and 21.

"Ever since I was 12, I wanted a dairy farm. I just always wanted cows," James said.

To make it all possible, seven years ago, the family business bought a deteriorating farmstead.

Like many others in the locale, the previous owner had dabbled in various types of agriculture. He sold potatoes and garden crops door-to-door.

The landowner was and is a friend of the Dunns and retained a portion of the property, onto which he built and lives in a new home. He make frequent trips to see what James Dunn has done to his old place.

The farmhouse was completely stripped to the frame and rebuilt. Several building were kept, 13 were demolished. A patch of woodland was removed from the middle of some fields, fence lines changed and contour planting started.

A modern stanchion barn was built. Three silos erected . . .

Prior to actually starting any milk production on the farm, James bought a number of heifer calves and raised them for two years. They were about to freshen when he also bought a milking herd of about 21 cows.

All the cows he bought were supposed to have been about to freshen, but six were not yet bred.

With these beginnings, the Dunns were in the dairy business.

Milk production that first year was pretty low due to the youth of more than half of the herd and the delay in freshening on a third of the older cows.

According to James, herd production had been down to just a little more than 16,000 pounds of milk.

The herd he bought had averaged a little more than 18,000 pounds of milk.

But after the first year, gains started coming rapidly.

With top feeds, better breeding, and lots of barn time, the herd started making big increases in milk.

Then Richard Hire, a herdsman, came along. He has more of a dairy backround, but he also helps the Dunns with the fruit and vegetable business.

Just as others do, to keep cows semi-alert and eating, a radio and two lights stay on in the barn throughout the night.

Breeding is monitored in the barn and in the back exercise lot. He doesn't really pasture his herd per se.

He selects bulls for production and keeps one of his own clean-up bulls for occassional use. However, he said he'll try artificial insemination up to four times on a cow before sending her to the clean-up bull.

The heifers and dry cows are kept together in a front lot with loose stall housing underneath the original bank barn.

When he first started, he kept the calves in the barn, but quickly built a six-hutch, calf-raising shed. It has three sides and an open front. He hasn't lost a calf in the past 2½ years.

Considering that he raises all his calves — the males for steers, the heifers for replacement — he said he is doing well.

He keeps the calves separated for 4 to 6 weeks in the hutches and tries to get them on grain quickly. Then they are put into groups of about five.

But more than just the dairy, James Dunn is responsible for other aspects of the Dunn Farms Inc. business.

The family operation farms about 400 acres and rents another 200. It is actually four farms combined.

They have about 75 acres of peaches and apples; 25 acres of sweet corn; 50 acres of soybeans that are roasted and fed to the cows; 125 acres of field corn (100 to 125 bushels per acre); 100 acres of alfalfa; 30 to 40 acres of rye; 30 to 40 acres of oats; 75 acres of mixed timothy and clover; and the rest in vegetables, from cantalopes and crenshaws to tomatoes.

The family also sells home-pressed apple cider and runs a market stand six days a week.

The two sons and father, the wives, and some hired help all pitch in, whenever and wherever feed all the time and a fermented feed all the time," he said.

He gives them the best of the hay that he, his brother and father can produce. The other goes to market.

But in addition to the traditional alfalfa, clover and timothy hays, Dunn has been growing and feeding Reeds Canary grass with excellent results.

He said the green leafy grass provides several cuttings, is thick, and the cows seem to enjoy it greatly.

He gets one cutting from a field of timothy, and getting cows to eat well is one of Dunn's emphases, he said.

"One of the biggest things is body condition. When drying a cow, don't be afraid to feed her. My biggest thing is getting the proper condition on a cow and to keep it there," he said.

And to make sure his cows eat, he said the high moisture corn is great and the cows eat heartedly. Plus, he tests the protein content of his forages.

At presstime, it wasn't in place yet, but to even better the diet of his cows, Dunn was in the process of installing a total mixed ration (TMR) system. This past week he was awaiting the installation of a TMR mixer.

"Only top quality forages come into here for these animals. And we feed lesser amounts and more often," he said.

Three times a day the cows get their silage or high moisture corn meals. Four times a day they are fed some type of hay.

About 4:30 to 5 a.m., before milking, each cow gets a ration of second cutting Reeds Canary grass or a timothy mix. They get that same meal again before the evening milking.

At 10 a.m., the herd gets a meal of second cutting clover and before Dunn goes to bed, he feeds second cutting alfalfa.

Dunn has a total mixture of all his hay forages analysed and tests show a combined result of 18 percent protein in the feed.

Together, and with information gleaned wherever possible, the two implemented changes that made the Dunn herd start making herd production gains of 800 to 900 pounds of milk per cow each month.

So far, the least amount of average milk production realized has been about 200 pounds in one month.

James' prediction is that the herd should start slowing down when it reaches an average milk production of around 26,000 pounds. But he's working for more than that. His goal is to have the highest averaging dairy herd in the state, and, of course, the most profitable.

What happened for Dunn's herd to increase milk production so dramatically seems to be a combination of several changes.

He credits the majority of the increase to his self-professed emphasis on top quality feed — - out of all the hay the business produces, James gets to pick what the cows will get and what will go to market.

"I have some good genetics," Dunn said. "But I have some (cows) that do not have good genetics. I brought in some heifers from 12,000-pound herds and with feeding they make 24,000 to 26,000 pounds of milk," he said.

He said he sees some farmers with herds that far outshine his as far as bloodlines, but they don't pay as much attention to nutrition.

"If nutrition would equal genetics today there would be a lot of 30,000-pound cows," Dunn said.

Dunn's tools of preference in milk production include a 50-stall stanchion barn with a scraper gutter and a 2- to 3-month storage manure pit. That was built in 1987.

(Turn to Page A22)

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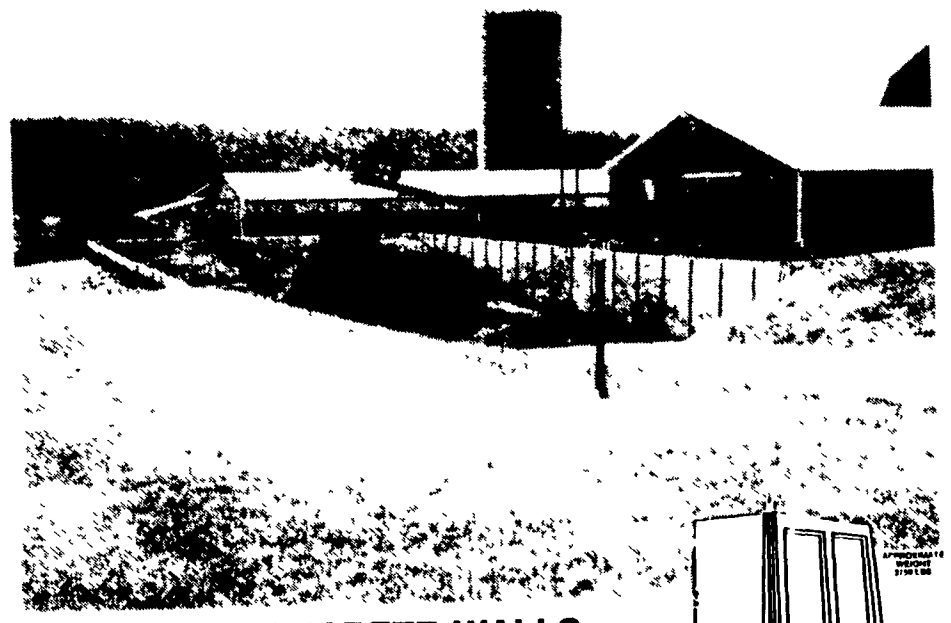

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Pa. Lamb And Wool Queen Crowned

(Continued from Page A1)

Three other teens competed for the crown. They were Valerie Hunter, 17, of Berks County; Karrie Dunmire, 18, of Washington County; and Michele Phillips, 18, of Somerset County.

The contestants needed to write an essay on their reason for wanting to be queen and their ideas for promoting lamb and wool. Each also prepared a 3 to 5 minute skit or speech on how to promote lamb and wool.

Arlisa said her skit was fashioned after a Miss America contest with three sheep competing for the title. One was a wool breed sheep, another a meat breed, and another a show breed. In her presentation, Arlisa showed the positive aspect of each breed.

Each contestant also needed to prepare and man a display at the symposium. Arlisa's display included a wool sweater and hat, raw wool, recipes, cookbooks, and lamb samples. She answered onlookers' questions about lamb and wool while judges watched.

Three judges interviewed each contestant individually. The contestants were judged on their knowledge of sheep and market lambs. Judges for the event included Jim Barlow and his daughter Abigail Barlow of the Pennsylvania Sheep Producer magazine, and Debbie Felax, home economist.

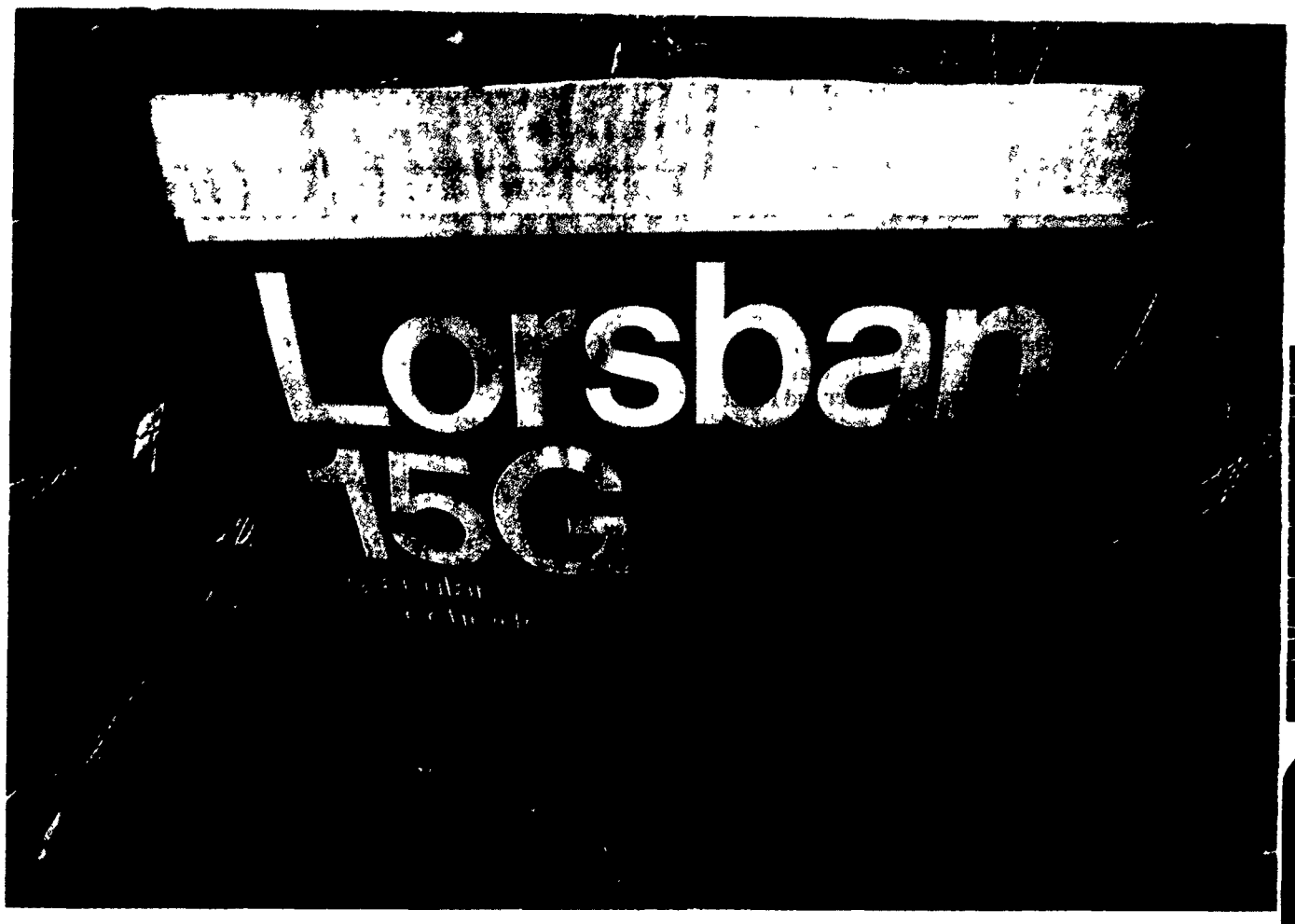
After a tearful farewell speech, Julie Maust, the former state queen from Somerset County, crowned Arlisa.

As the queen, Arlisa will hand out ribbons at KILE and Farm Show sheep competition. She will present wool products and lamb to Governor Casey during open ceremonies at Farm Show. She is also expected to promote lamb at shopping malls, food fairs, and schools.

Arlisa is active in varsity field hockey, senior chorus, spring soccer, and Junior Achievement. She works part time as a hostess at Country Table Restaurant in Mount Joy.

Julie Maust, left, crowns her successor Arlisa Snavely, the 1991 Pennsylvania Lamb and Wool Queen.

Contestants in the Lamb and Wool Queen contest included, from left, Arlisa Snavely, Lancaster County; Valerie Hunter, Berks County; Karrie Dunmire, Washington County; and Michele Phillips, Somerset County.



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York Farmland Trust Formed

(Continued from Page A1)

"When did you last hear a comment such as 'we've traveled throughout this great country. It's awe-inspiring but there's no place more beautiful or better to live than York County'," Brown says in a recent membership-drive letter sent in an initial mailing to 2500 potential members. "Some of the very reasons we chose to live in York County are fast eroding. We can no longer afford to take our abundance for granted."

Brown credits a handful of key local business leaders for "getting this rolling," inspired in part by the formation of a National Farmland Trust and successful programs in nearby counties like Lancaster and Berks. The seventeen-member volunteer board of local ag and industry leaders is presently working on a budget and plans to hire an executive director to handle administrative details.

"Our aim is to offer alternatives, such as the purchase of the development easements or a vehicle for individuals who might wish to donate their easements to keep the land in agriculture," Brown explains. "By working through a private, non-profit entity, it can be handled in many legal ways. Thrust of the committee is to look at the county's farmland areas for the most ideal locations to preserve prime, contiguous acreage. We can't go at it in a hodge-podge manner."

Land on which development easements would be acquired by the trust would carry perpetual deed restrictions against conversion to non-agriculture uses.

While economic slowdown has hit hard in some parts of the Northeast, Brown believes the stable base of agriculture in York County provides a cushioning effect against other economic factors.

"Agriculture isn't great but it is hanging in there," he adds. "That helps the whole local economy as farmers buy and sell goods."

While the county has seen rapid development in recent years, agriculture remains the most important economic activity, with York ranking seventh in total ag output of the state's 67 counties. One out of every 13 jobs in York is attributable, directly or indirectly, to agriculture. Agricultural output for the county in 1987 was $107 million, in turning generating over $1 billion worth of economy activity.

Airville farmer and Trust board member Pat Sueck sees the private organization as complementing state preservation programs recently implemented.

"But by not meeting specific criteria under the state program, a lot of areas where there is interest in saving the land for agriculture might instead be lost to development. A private trust can take up that slack," she believes. "The approach to this must be very farsighted. Too often we react, rather than act. This is a classic opportunity to be foresighted."

Reed J. "Jack" Dunn is director of the York County Planning Commission and a member of the

(Turn to Page A23)

Dairyman's Herd

(Continued from Page A20)

"The cows stay cleaner and it's easier to give them individual feeding," he said.

Three silos handle the high moisture corn, haylage and corn silage that Dunn feeds to his cows.

He tried bagging, but turned away from it.

"With the silos, you have a fresh the diversified business demands them to do so.

James said his grandfather, Robert G. Dunn, now retired, had an agricultural survival rule — - stay diversified.

"If one thing isn't doing well, the other thing will pull you through," Dunn said.

Therefore Dunn Farms Inc. came to be and James Dunn has become, unofficially of course, vice president in charge of milk production.

James Dunn said that perhpas others with the same type of dairy farming backround could be as successful as he has been.

"I think so, but probably not as fast. I have had quite a bit of help," he said.

Success, according to Dunn, all comes down to one thing — - "desire."

Dave Somers, DHIA supervisor for Schuylkill County, said the younger Dunn will most likely continue to succeed.

"He's nice to work with, he's very cooperative, he looks for advice and we give it to him when we go to test. He has a great bunch of cows up there, no doubt," Somers said. "I think he's going to stay on top for awhile. He'll be able to cull better, now that the barn's full. He'll go up higher and he'll be a tough one to catch."

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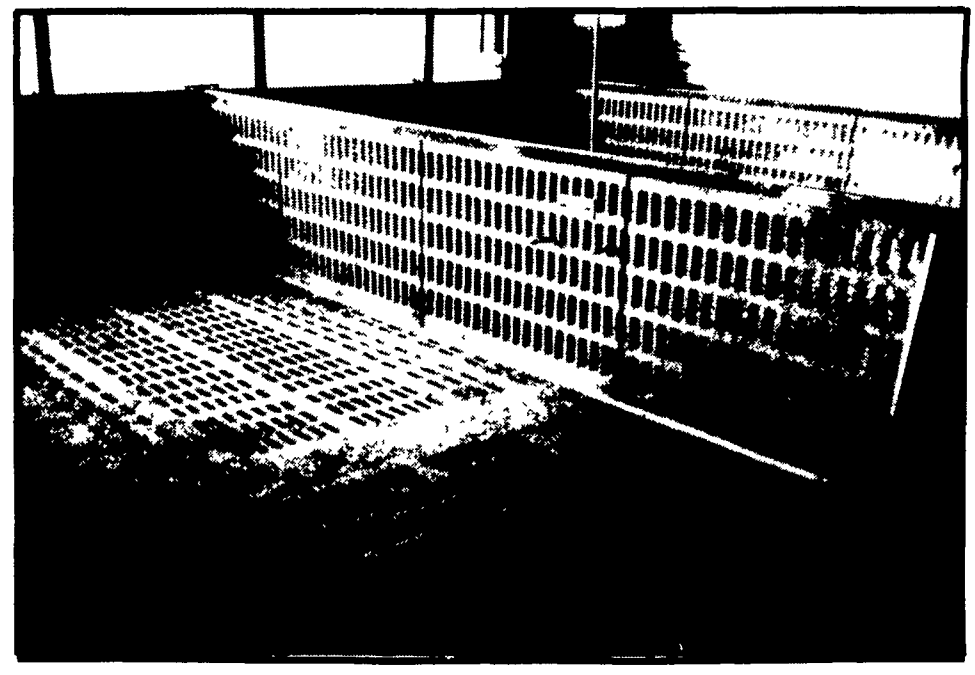

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Foraging Around

By Dr. John E. Baylor
Director of Market Development
Beachley-Hardy Seed Company

Many of you, I'm sure, have read one or more accounts highlighting talks given at the 1990 PFGC/PSU sponsored Forage Conference last month. Nevertheless in this, my final column for 1990, I'd like to add my thoughts to those already expressed.

To begin with, it was a great conference, packed with well presented, down-to-earth, factual information that producers could immediately plug into their forage program. Unfortunately, while overall attendance was good, there weren't enough producers present. It was a golden opportunity passed up.

Here are a few of the things I heard that you ought to know about.

Keynote speaker Richard Klemme, University of Wisconsin Ag. Economist, emphasized both the environmental and profitability advantages of forages in a livestock system, "Studies have shown," he said, "considerable economic benefits to rotations containing forages". And, Klemme concluded, hay cash markets can be quite profitable if high quality hay can be produced on a consistent basis. He drew this conclusion from extensive experiences with quality hay auctions in his state.

Pastures got plenty of attention from Penn State researchers, Drs. Larry Muller, Dairy Scientist, and Forage Specialist Steve Fales. In his comments Muller stressed that the results of recent research at Penn State and elsewhere definitely indicates intensive grazing systems can make this an alternative for the "smaller" (40 to 60 cows) dairy farms. Muller's statements were echoed by Fales as he described a number of new cooperative pasture research studies with dairy cows now underway at Penn State.

Pasture research also received the attention of Animal Scientist Harold Harpster who reported the results of new studies on beef and sheep co-grazing, tall fescue in sheep grazing systems and creep grazing for pre-weaned calves - studies to add $'s in the pockets of livestock producers.

Results of recent Hay Marketing studies were reviewed by Dr. Cathy Hamlett of Penn State's Department of Ag. Economics and Rural Sociology. She explained how horse hay buyers and dealers view hay quality. Horse hay buyers, she found, overwhelmingly prefer alfalfa and timothy hay. And they consider freedom from dust and a good smell most important. On the other hand, given a choice, they prefer not buying hay treated with preservatives and drying agents.

Other Penn State researchers addressed a variety of topics of direct concern to Pennsylvania farmers. For example, Dr. Art Hower, Research Entomologist, focused in on the seriousness of the clover root curculio as a significant pest of alfalfa. While he is still investigating management and control practices, Hower has conclusive evidence that this insect can seriously reduce alfalfa yields and shorten stand life.

Losses in hay making got the attention of Penn State Ag. Engineer Dennis Buckmaster. While there's no way to eliminate many losses, Buckmaster agrees, improvements in harvesting methods, and specifically conditioning treatments, hold potential for increasing profits.

Looking ahead Buckmaster also had positive things to say about maceration and mat drying of alfalfa as a new concept in hay making. It may be several years before maceration and mat harvesting machinery is available in the U.S., Buckmaster concluded, "but" he says, "its economic potential has been proven."

As a proponent of near infrared reflectance spectroscopy (NIRS) I couldn't help getting excited as Penn State's Dr. John Shenk described new applications of this technology now being researched at Penn State- the possible analysis of forage undried and unground, and color measurements combined with NIR analysis to name just two.

These are just a few of the things covered at this year's forage conference. And just a sample of the good things in store ahead for forage growers.

Our new forage specialist, Dr. Marvin Hall, summed it up this way. "I hope you leave this conference thinking not only about the role of forages in the 90's, but also about the role of forage in your farming system, and changes that will improve your system."

That's a good way to end this column, except to wish each and everyone the best of the Holiday Season and may 1991 be good to all of us.

Farmland Trust Formed

(Continued from Page A22)

Farmland Trust's board. Along with Stan Brown and Pat Sueck, Dunn credits a planning forum held last spring at York College as the impetus for organizing a private trust for farmland preservation.

"It was an idea I'd had for a long time, and found through the Forum planning others who shared that same interest," says Dunn. "The aftermath was to come together from the idea stage and develop it into a reality."

"We must look at the overall development of land use, not only farmland but the whole picture," says this planning specialist. After years of working with a scope of planning and zoning programs, Dunn says that he ascribes to the "shotgun approach, whatever works, try it."

Of the 72 separate municipalities in York County, 16 have already instituted some measures for preservation of farmland. In addition, the county government is just beginning a program of conservation easement purchases in conjunction with the state's farmland preservation legislation.

In a brochure mailed to potential members, these three specific goals of the York County Farmland Trust are outlined:

—"Promote a broader community awareness of the importance of agricultural land to the County through community education and information dissemination;"

—"Minimize the untimely conversion of farmland to non-agricultural uses by encouraging sound land use planning while recognizing the inevitability of continued growth within the County;"

—"Provide landowners with alternatives to conversion of productive farmland to non-agricultural uses.

"I love York County and dearly love the farmland,"

For further information on the Trust, contact York County Farmland Trust, P.O. Box 2026, York, Pennsylvania 17405-2026.

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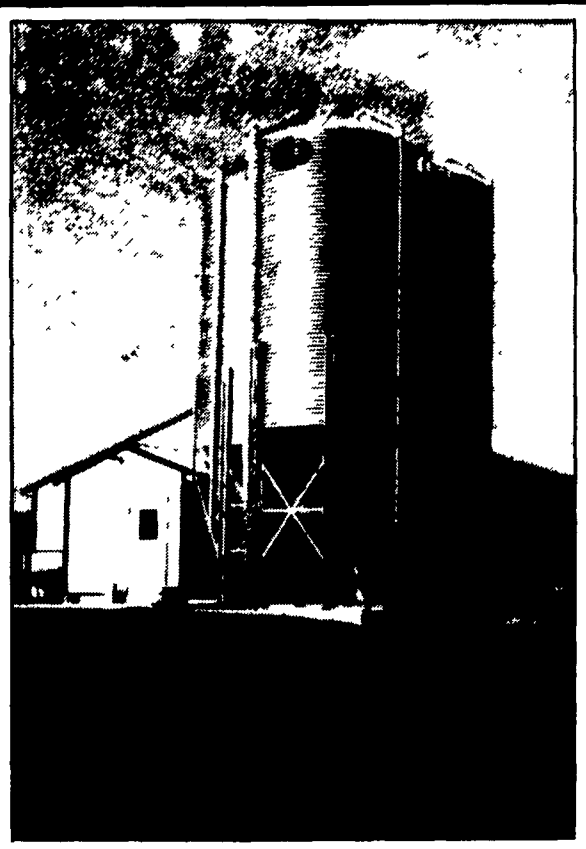
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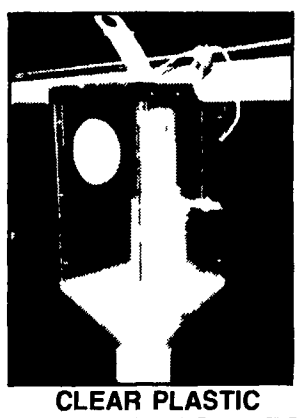
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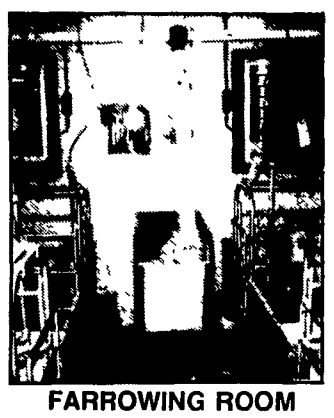
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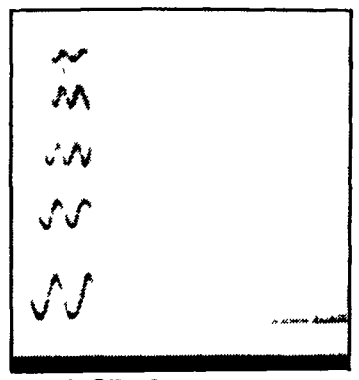
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PFA Speaks Out On GATT Collapse

CAMP HILL (Cumberland Co.) — A state farm leader said the European Community was "stealing U.S. farm income and markets, while destroying the business of farming in this country." This criticism was voiced recently by Keith W. Eckel, president of the Pennsylvania Farmers' Association (PFA), after the collapse of the General Agreement on Tariffs and Trade (GATT) negotiations in Brussels.

Failure of a compromise to lower the high European Community (EC) farm trade barriers was the reason given for U.S. negotiators to leave the discussions with no trade pact. Eckel said that it was his "hope that the stalemated talks is in fact the first step toward liberalizing world agricultural market trade for the benefit of U.S. farmers."

Eckel serves as an agricultural policy advisory to the U.S. delegation and was in Brussels.

"EC proposals were self-serving," he said. "The entire approach was motivated by protectionism on the part of the Community. The EC did not come to the negotiating table with the idea of progress. They wished to keep their farmers happy with high subsidy payments at the expense of farmers around the world, especially the U.S. and developing countries.

"The U.S. farmers will lose markets because of this unfair competition. Developing countries, dependent on agricultural exports, will suffer severe economic setbacks," Eckel said.

The stumbling block to a GATT trade agreement centered around the high level of subsidies paid EC farmers. "It's impossible to compete on a fair basis for export markets, when EC countries dump highly subsidized products in world markets," Eckel explained.

There is talk that the negotiations will continue in Geneva in January and February.

"If farmers in this country were subsidized to the extent of EC farmers, they would be cutting down forests and growing crops on rocks," he contends. "The EC countries have no cap on production for most commodities and thus no control over the ultimate subsidy a farmer receives."

The U.S. domestic farm subsidy program has dropped from $26 billion in 1986 to $9 billion in 1990, while EC subsidies are at $38 billion this year.

Eckel said that the average Dutch dairyman with a 50-cow herd receives an annual subsidy of $115,000.

"Needless to say dairy exports by the EC countries are skyrocketing," Eckel reports. Between 1967 and 1970 EC countries were $100 million net importers of butter. By 1984 they became $350 million net exporters. Cheese exports are up from a net of $3 million between 1967-70 to $375 million in exports by 1984.

"These increased exports were not attained as a result of a competitive advantage," he said, "but through subsidized farm prices."

Because of high farm EC export subsidies ($13 billion for EC countries versus $400 million for the U.S.) the EC has become the largest exporter of dairy products, and the second largest for beef and wheat.

Since 1986 EC soybean production has doubled from 900 million tons to 1.8 billion tons. Soybeans in the U.S. domestic market are selling between $5.00 and $6.00, versus $13 in EC countries.

This year the EC farmers will export 21 million tons of wheat and flour (21% of the world market), which is five and a half times more than they exported in 1978-79. EC export subsidies have generated the dramatic increases.

Developing nations, third world countries, have a competitive edge in wheat production but can not produce for the world market because of EC countries export subsidies.

Australia, Canada and the U.S. have all lost export sales and

(Turn to Page A38)

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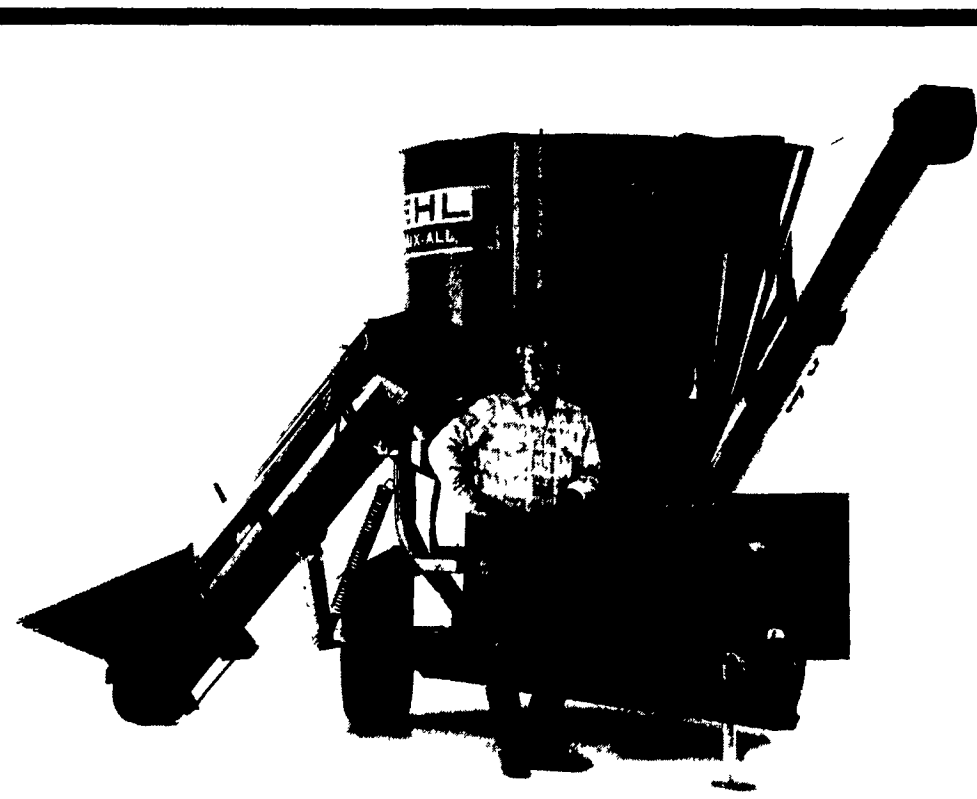

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KALAMAZOO, Mich. — A new videotape that traces the contribution of livestock to humanity and the development of the livestock industry as it relates to mankind is being offered by The Upjohn Company.

The video had its premiere in Edinburgh, Scotland, as part of the opening ceremony for the Fourth World Congress on Genetics Applied to Livestock Production held in July 1990. It also was shown at the opening ceremony for the annual meeting of the American Society of Animal Science in Ames, Iowa.

Sponsored by The Upjohn Company Animal Health Division and produced by the Livestock Marketing Association, the video has been distributed to land grant universities and colleges with an animal science curriculum. According to Norman A. Braksick, Upjohn executive director for animal health operations in North America, the videotape traces the relationship between man and livestock through the use of artwork spanning several centuries.

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Jacques	4750	23,600	14.7	59	17 8	118 5
Jacques	4900	23,600	15 9	57	17 8	103 2
Jacques	5700	21,500	14 5	56	20 4	125 7
Jacques	6770	20,800	18 3	56	19 8	105 0
Jacques	5310	23,600	13 0	57	18 0	105 4
Jacques	EXP 9105	22,600	21 1	57	18 8	133 3
Jacques	7700	23,600	13 6	59	21 4	146 8
Jacques	7770	24,300	4 3	58	24 0	142 4
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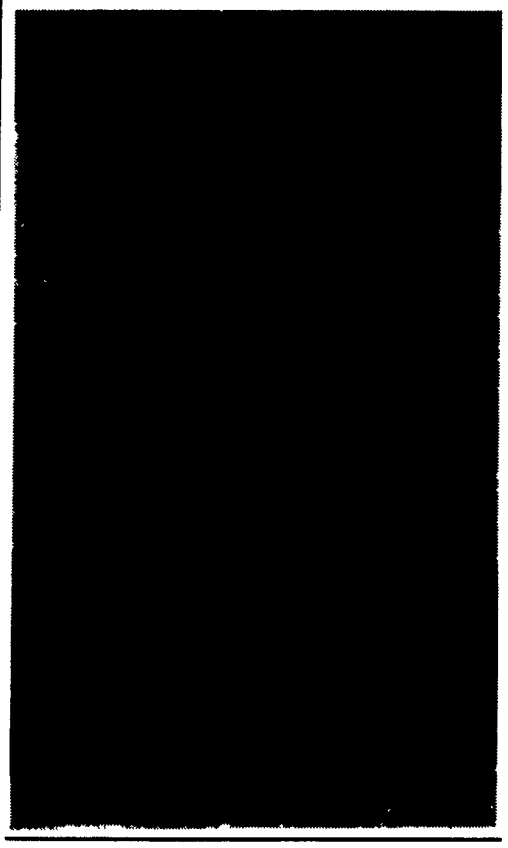

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Despite Ups And Downs In Milk Price, Farming Offers Joy

ANDY ANDREWS
Lancaster Farming Staff

LITITZ (Lancaster Co.) — The harsh realities: Milk tumbling by $4-$5 a hundredweight. Land prices soaring to $10,000 an acre. The cost of pesticides, herbicides, and equipment fuel rising by as much as 20 to 25 percent. The cost of living increasing 5 percent and more.

The joys: Being your own boss. Raising a family in the wholesome environment of the farm. Keeping the tradition of the family farm alive.

Edward and Shenda Sensenich prefer to think of the *joys* of farming. As a young couple, with only a year of farming behind them, they've encountered plenty of the challenges involved in dairy farming — along with raising their 15-month-old daughter, Ashley.

The Sensenichs, like many dairy farmers, have had to weather everything from watching the milk price rise and fall dramatically to mastitis problems to raising their own family on the farm.

But improvements in feed, and culling cows that were old and not producing much anymore, gained them number one status as the most improved herd in the mixed breed category in milk production and protein totals, according to Pennsylvania DHIA records.

The increases were the result of overall management decisions, such as "getting better cows, getting rid of some that weren't paying the way, and better feed quality," said Ed.

The Sensenichs rise at 4:45 every morning to milk the cows at 5 a.m. Ed and Shenda both work in the dairy barn most of the morning. While Ed milks, Shenda feeds hay and grain to the milking cows and tends to the heifers.

A great deal of time in between milkings, and up to the final milking at 4:30 p.m., is spent working with each cow, until the day ends sometimes at 7 p.m.

"On this farm, things aren't awfully modern," said Ed. "When we started, we didn't have a dumping station. We carried all the milk over to the tank, and we were trying to improve one thing at a time."

Ed said that "you have to spend time with the cows. I think that being around the cows a lot helps to identify cows that have foot problems and that kind of thing." Working with the cows twice a day seven times a week allows a farmer to get to know what each cow is really like — and this contributes greatly to managing them better.

The Sensenichs farm about 69 tillable acres and rent an additional seven-acre field. Their herd, consisting of Guernseys and Holsteins, includes about 30 milking cows and six dry cows, in addition to about 10 heifers and calves. The Sensenichs milk their cows out of a tie stall using the old-fashioned dumping station and buckets. (Moving to a milking pipeline is something they're considering for the future.)

The Sensenichs regularly have their forages checked for protein and other nutritional factors. They work with Rick Hartman, a dairy consultant from Leola, who also helps them with overall herd management.

Last summer, Ed used a hand-mixed total mixed rations (TMR) program. The program included a soy distiller (50 percent soy meal and 50 percent corn distiller). In addition, Ed is feeding the cows more, "about as much as they can eat," he said. Keeping the dry matter intake up "helped about as much as anything," he said.

During the summer, Ed keeps the cows in the barnyard, and puts them in the pasture to get their feed and some exercise. But the better feeding program, in addition to keeping track of the protein and other nutrition in the forages, helped get improved DHIA records this year.

"It's a lot in the feeding," he said, "because we jumped in percent protein within the first couple of months, and nonfat solids."

Ed said that genetics also played a big part. Nearly 100 percent of his herd is sired by Atlantic Breeders Cooperative.

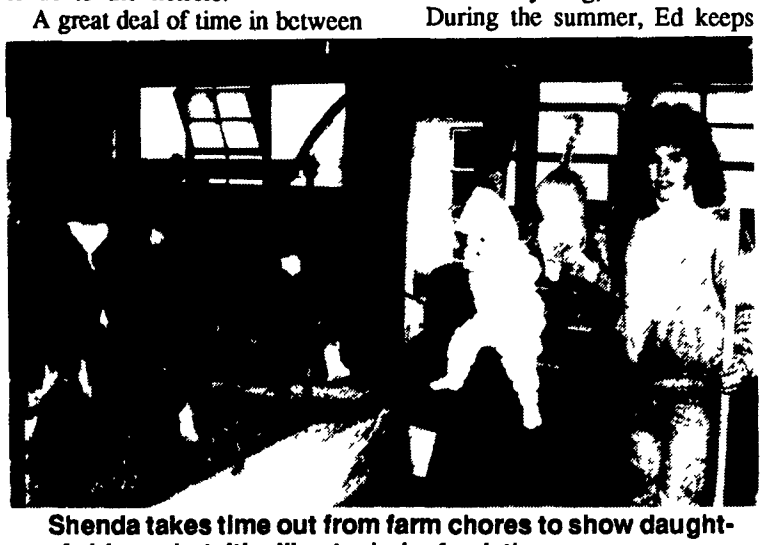
But the drop in milk prices in recent months has cast some gloom on prospects of increasing the herd and updating the farm equipment.

"Production is not overly great even now," he said. "We were making progress, and hopefully we can keep doing that. When milk prices were good, we were buying cows and doing everything to try and improve the herd."

But now, the Sensenichs hope that through improved management, they can continue to enhance their farm profitability.

The Sensenich's herd of Guernseys and Holsteins increased milk production by 4,624 pounds, making it the number one highest increase for mixed breed, according to Pennsylvania DHIA records. Shown here are, left to right, Shenda with 16-month-old daughter Ashley and husband Edward. ***Photo by Andy Andrews***

Edward S. Sensenich feeds rations to the dairy herd. A combination of management and feed improvements boosted protein averages 158 pounds, making his herd number one in the state for protein increase in the mixed breed category.



Shenda takes time out from farm chores to show daughter Ashley what it's like to help feed the cows.

Shenda Sensenich feeds Ellie, a two-month-old Holstein heifer, as part of the morning chores.

Lately, the Sensenichs have encountered a mastitis problem and once faced a somatic cell count (SCC) of about 400,000. But post-dip and pre-dip procedures, and culling the cows, brought the SCC down to about 150,000 — results they attribute greatly to help from the DHIA.

"I think that's another (area) where DHIA records helped," said Ed. "The records show you the cows that are making a profit. Because one cow can be milking 50 pounds and have a 3.5 percent test and the next cow can be milking 50 pounds with a 4 percent test, and the profits can change from one to the other."

The Sensenich family has been with the DHIA since 1963. But since January of this year, DHIA has helped to control the mastitis problem. A combination of culling older cows (many in the 7-8 year range) is helping Ed reach his goal of milking 40-50 cows.

And given a better price for milk, Ed would like to expand the herd and update the technology in the barn.

Ed and Shenda met at Manheim Central High School. Before and after their marriage, Ed worked four years as a tractor mechanic. In 1989, he purchased his father's (Robert Sensenich) herd, and began renting the farm (a farm, said Ed, that has been in the family back to the years of his grandfather).

Shenda was raised on a "farmette," she said — a 4-acre steer farm managed by her father.

"It's a nice place to raise a family," said Ed. "And I like being my own boss."

Ed said his father and mother do the milking on the farm when Ed and his wife need some time away from the farm. The freedom from a rigid 9-5 schedule and raising a family appealed to both of them, and so far, living on the farm has been beneficial.

"And I love animals, so I took to farming right away," said

Dairymen Feast At Milking Parlor Information Smorgasbord

VERNON ACHENBACH JR.
Lancaster Farming Staff

INTERCOURSE (Lancaster Co.) — Extension officials and commercial dairy equipment representatives said they figured that about 40 dairymen would attend a Tuesday seminar on milking parlor design held at the Harvest Drive Restaurant in Intercourse.

Surprise.

More than three times that many showed up for the event.

Sponsored by the Penn State Cooperative Extension the event featured several speakers from Penn State and Cornell universities, a panel of dairymen who have built and work with different types of parlors, and several representatives from different dairy equipment manufacturers.

Free stall operations and milking parlors have been around for years. But some of the styles and designs discussed at the seminar were exotic affairs compared to the majority of currently used facilities.

There were floating rotary platforms, new and improved parallel designs, all-pneumatic operated rigs, and herringbone designs.

Experts talked about the need for parlors, and some of the drawbacks and bonuses, and considerations to be made in contemplating construction.

Ken Morgan, with Boumatic, discusses aspects of milking equipment with dairymen at seminar.

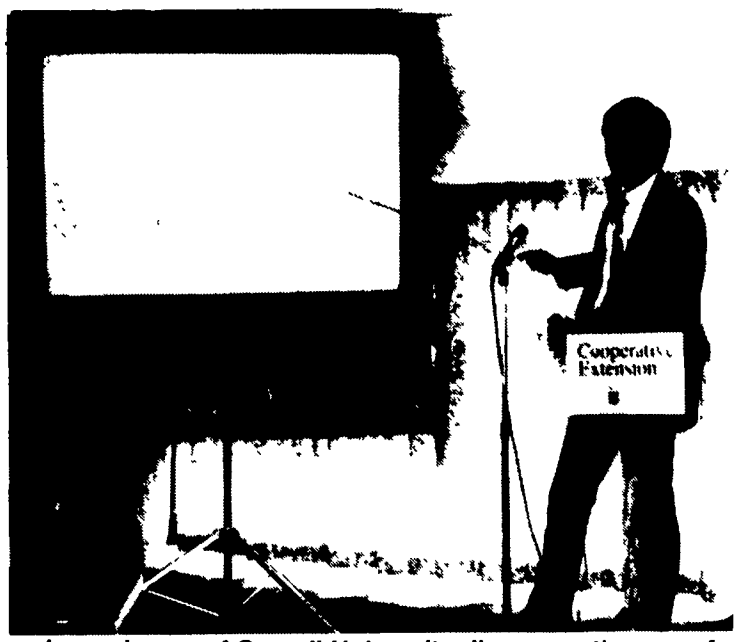
Elvin Gingrich shows aspects of IBA milking claw hardware to dairyman at milking parlor seminar.

Others talked about the use of computers and automatic milk weighers and information gathering equipment and the use of Dairy Herd Improvement Association test information.

PSU's Dr. Steven Spencer talked about what farmers should consider before taking on a project.

He said the number of cows, the milking schedule, possible changes to those, existing facilities, funds available, environmental regulations ... in short, everything involved with running

(Turn to Page A29)



Larry Jones, of Cornell University discusses the use of information on the farm and various levels of management.

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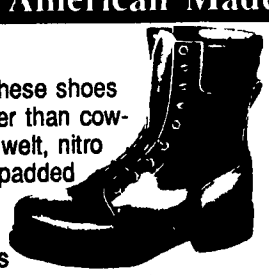

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Mylin Observes Changes In The Needs Of Dairymen

EVERETT NEWSWANGER
Managing Editor

MANHEIM (Lancaster Co.)—For this superior supervisor, 25 years of service to Pennsylvania DHIA gives him a good overview of where dairying has been and where it will go in the next ten years.

Jay Mylin, Manheim, Lancaster County's DHIA manager, recently received the superior recognition from the state association. And in an interview Monday afternoon, Mylin said the needs of dairymen for management information have increased over the years. The lactation records that historically have been provided by DHIA are no lomger sufficient to provide for the dairymen's needs.

"No doubt about it," Mylin said. "Dairymen are different managers than we saw 20 years ago. Young dairymen coming into the business are really working to utilize the information we can provide. These dairymen need to be concerned about all the different aspects of herd management. Not only laction records but also feed costs and breeding records."

The computer has allowed Mylin to summarize all the information in the DHIA reports so the good managers are able to pinpoint anything they want to know about their herd. For example, the DHIA summary data that Mylin provides for one herd owner is used to group the cows according to production and feeding needs. The information that formerly took hours to assemble can now be provided shortly after the central lab has processed the test samples.

Another useful use of a dairymen's DHIA records comes when he wants to establish a line of credit. Mylin has spent several days with credit managers to help them know what to look for in the DHIA records that will show the management ability of the dairymen.

"You can look in the bulk tank, but you don't know how many cows it took to produce the milk," Mylin said. "With DHIA records the banker can see the production per cow, and the feed costs. He can then compare these records to the average in the county and the state to get some information about the dairymen's management ability."

Even dairymen ask Mylin what is good. And one way to rate good is to compare with the averages. Mylin said the weekly FOCUS page in Lancaster Farming has been useful for just such comparisons.

For Mylin, the county DHIA management position is part-time. He spends about two days per week on his testing circuit. The remainder of his time is spent on relief testing for others who may be ill and in hiring and training new supervisors as needed.

Because of the new options offered by DHIA, Lancaster County DHIA has been able to increase their number of cows on test by 2000 while the cow numbers in the county decreased 6,000.

"I'm pleased that we have a lot more options," Mylin said."We have the managers who want all the information they can get. But we also have dairymen who don't want more than the basic information. And now we can provide a program for them too. This has been a real benefit for us in Lancaster County.

Mylin said he does not expect on-farm computers to replace the dairymen's desire for DHIA records.

"I don't think we will see a large number of farm computers on the family farm in the next 10 years," Mylin said. "Most dairymen have so much to do that I think they will still be willing to pay a fair price for this service."

The most likely prospect for a farm computer is the large herd and Mylin tests five or six herds with more than 200 cows. These large herds are on DHIA test and use the DHIA information very well. And while the trend is toward commercial herds, even the breeder herds now are a lot more concerned about the bottom line.

"Farmers still register their cows which is great," Mylin said. "But we see the difference where even the owner of a registered herd needs to watch the bottom line. For the dairyman who does not make this adjustment in management, he has some struggles ahead. I see some dairymen who still have this mind set, but the younger generation, even though they want to sell breeding stock, will not keep a cow around just because she has a good pedigree.

Mylin said it is important to recognize that DHIA only keeps score and does not set the trend in the dairy business. For example, DHIA can't do much about component pricing for milk. But if DHIA can give the dairymen an edge, that's what they want to do.

Jay Mylin, Lancaster County's DHIA manager, has developed information that puts a dollar value on some of the information that can be obtained from DHIA members.

Mylin thinks the real edge DHIA can give the dairymen is in the profitability of his herd. He has compiled figures based on $12 milk and a 50-cow herd that show a dramatic increase in profit with only small management changes based on information that DHIA provides their members each month. For example, if you decrease the calving interval from 14 to 13 months, you increase your income by $6,200. If you decrease your somatic cell count by 50 percent, you increase profit another $3,400.

If you save one pound of grain per cow per day by having records to feed correctly, you gain about $1,300 and if you increase the rolling herd average by 1,000 lbs., even with the extra feed costs to get the production, you still have a $5000 higher income.

To me dairying is the most exciting business in agriculture because there are 101 different management decisions you can make to change the income for that dairy herd. And that's what makes our job in DHIA is so important.

Herd Feed Improvements, Love Of Cows Create Results

ANDY ANDREWS
Lancaster Farming Staff

RUSSELL (Warren Co.) — There are many joys to dairy farming, above and beyond the 24-hour-a-day worries that the cows are fed correctly, are healthy, and that the hundredweight price of milk won't drop even further.

A dairy farm often provides the best environment for children who enjoy working with cows, at least in the eyes of many dairy families. "You have to enjoy working with cows to be in the dairy business," said Pam Donaldson. Together with her husband, Mike, they manage a 125-acre dairy farm (40 tillable, 85 rented) right on top of the Pennsylvania/New York state border.

But it was a combination of improved herd management techniques and placing their herds on total mixed rations (TMR) in June of 1989 that, more than a year later, paid off in terms of production. The Donaldsons were able to increase their rolling herd average in total milk pounds by nearly 3,000 pounds, making them number 1 in improvements for the Brown Swiss breed. They also placed number 1 in total increase in protein, by nearly 100 pounds, for the breed.

"We purchased the farm from Mike's dad (Jack Donaldson), and I suppose were were allowed to make our own mistakes," said Pam, laughing. "But it was the combination of TMR and determining what cows stayed and those that did not that helped."

It took more than a full year before the results became known. The Donaldsons work with Wayne Mill in using the TMR, a balance in the forage of ⅔ corn silge and ⅓ haylage on a dry matter basis. A commercial pellet feed and a buffer packet are used to provide additional balance, depending on the forage test conducted every other month.

"We can't buy good forages up in this part of the state, and we feed what we can raise," said Mike. The response to the TMR proved valuable, though, when the Donaldsons saw the results after the cows were freshened.

The Donaldsons manage 53 head of Brown Swiss (28 mature and 25 heifers and calves) and 26 head of Holstein (14 mature, 12 heifers and calves). The Holsteins rolling herd average is 15,168 lbs, M 3.7% F, 3.2% P.

The cows are arranged in a tie stall. The Donaldsons use the bucket milking technique using an automatic milker into a 55-pound enclosed pail, where the milk is later transfered to the holding tank. Someday, according to Pam, the farm may purchase a pipeline milker.

But the Pennsylvania DHIA has done their part to help the Donaldsons in the farm operation.

"When you're on DHIA, you have to test each month," said Pam. "The testing forces you to pay attention to the cows you breed, how you manage them, and what's going on with your herd. It's easy to overlook those things if you're not on test."

Mike Donaldson begins the farm day by arriving to feed the cows by 4:30 a.m. At 5:30 a.m., he milks the cows, and finishes about 8 a.m. The rest of the day, there are additional chores, including taking care of the haylage and mixing the rations.

The cows are milked twice a day. Pam takes care of the dry cows and returns to feed the cows again at 4 p.m. She milks the cows at 5 p.m. It isn't until about 9 p.m. that the working day is done.

"It's a long day," said Pam. "But we are in business for ourselves. We enjoy working with the cows. To be in dairy farming, you have to love working with cows."

Pam and Mike met at Delaware Valley College, where they were both dairy science majors. They purchased the farm this year from Mike's father, Jack, who grew up on the farm. Jack still helps on the farm although he's "retired from farming," said Pam. The farm is nearly a 100 years old, but has been in the family only about 20 years.

Pam said that, in addition to farming, she also works at the Russell Veterinary Hospital on a part-time basis. "My job is in the Embryo Transfer Program, a new aspect of the hospital," she said. "Dr. Patrick Farrell, DVM, MS, is not only my employer, he is also our herd veterinarian. We are on a monthly herd health check — this keeps us up to date on the repproductive state of all our cows."

The Donaldsons have three children, Sarah, 10; Christopher, 8; and Kevin, 5.

Donaldson's Starshine Farm raises all of the calves in hutches. Pictured here are, left to right, Sarah, 10; Kevin, 5; and Christopher, 8.

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Milking Parlor Smorgasbord

(Continued from Page A27)

a dairy operation must be considered because it will be affected by a change in an existing milking parlor or a conversion from a stanchion and pipeline setup to parlor.

Robert Engle, a farm systems engineer with Agway Inc., provided a cost comparison guide showing price ranges, not necessarily those offered by any one company, and how they related to other costs of operation, the size of the parlors and the size of the herd.

According to the table, the most inexpensive operation (on a basis of the cost-per-cow needed to pay back equipment, housing and labor) is a double-10, all-exit parlor with one operator milking 400 cows. The next inexpensive on the same basis was a double-16 all-exit parlor with two people milking 600 cows.

However, the table Engle provided was only designed to provide a model for what kind of costs might be incured.

The pannel of dairymen included Tim Fessenden, from King Ferry, N.Y.; Cliff Sweigart, F ethtown; and Stan Weeks, with Agway's Farm Management Research station farm.

Fessenden has a rapid exit parallel system. He used to have a double-five herringbone and 100 cows. He said that when checking out the number of cows he would need to pay off a new system he would need to milk 300 cows.

In the summer of 1989 he started construction on the parallel system.

In the months that he has had it, Fessenden said he can milk 80 cows an hour if everything is perfect. He has a 270-head milking herd and it takes him about 3½ hours to do a milking.

But because he has his herd broken into four different milking groups he isn't getting maximum efficiency. He said each group takes less than an hour to milk.

The prevailing thought offered during the seminar in parlor design is to have good ventilation, and wide, non-imposing entrances and exits for the cows.

Fessenden said he had a lot of natural lighting built into his parlor mostly for the benefit of those working there and to also add cross ventilation.

He has a sloped pit under a slatted floor in the holding area and parlor.

The only change he would make is to improve the ventilation of the sub-floor pit during construction. He said he is in the process of making improvements now.

Clifford Sweigart, of Ridgeview Farms in Elizabethtown, has 146 free stalls and double-six herringbone parlor with extra room built to allow for possible expansion to a double-eight.

"Cow flow is a priority in almost all systems," he said.

His parlor was finished in February. "We've been in it for the past 10 months and we're extremely happy."

He has meters at each milking station, but they have yet to be linked to a main computer, he said. The floor in the holding area is double-grooved. "If I had it to do over, I'd do it in slats and would have used a flush system," he said.

He also recommended using tile on the walls. He said tiles were in the old parlor he replaced and, aside from a few chips in the tile, the building was in perfect shape after years of use.

He has a return alley for cows that require special treatment, an indexing rail the pushes back to get the cows back against the splash guards and "There are no turns. They go out into an 11 foot by 20 foot surge area."

A directional gate used to divert certain cows is rigged so that a man in the milking pit can operate it from there.

He said, however, to take time and really think out the whole system before starting any construction or financing. In effect, he suggested that someone contemplating going with constructing a parlor should attempt to customize it as much as possible in the planning stages.

"Anything you can add for convenience will be an added plus," Sweigart said.

Stan Weeks, farm system engineer, said that Agway people planned for six months when they decided to make some changes at their research station, located about 15 miles south of Syracuse, N.Y.

He said the goal for the new parlor was to go to three-times a day milking with one person and keep the location the same.

As an aside, he said the Agway herd has a rolling average of 22,500 pounds of milk.

What was built was a well-lighted, double-eight rapid exit herringbone parlor. The entire building was widened from 36-feet to 72-feet, natural ventilation was used in all areas for almost all months of the year. Sliding doors that open into a large surge area allow for a quick cow exit and turn-around.

The research parlor has a 16-foot ceiling because of an observation area that is built above the the parlor pit.

In the winter, the air is heated with natural gas and blowers. He said they use about a 100 gallons per winter.

The milking rate there is 64 cows an hour.

The entire situation is not ideal, however, because the have 60 freestalls, 120 tie stalls and the rest of the herd in a research laboratory situation.

The parlor does have automatic identification system and milk weighing with a holder to keep accuracy within two percent.

The parlor was a prototype for one that is now commercially available.

It also has a pnuematic indexing rail that he said he was wary of because it appeared that cows might jump and be injured. However, it has not happened.

He also said rapid exiting is important to get turn around on use of the parlor. He said it takes eight seconds to clear the stalls.

The only change he would make

(Turn to Page A30)

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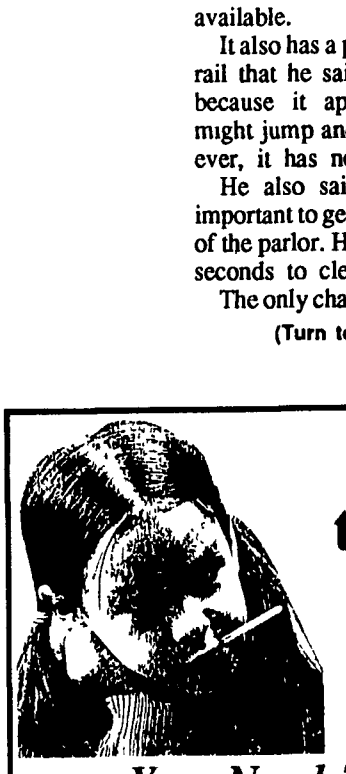

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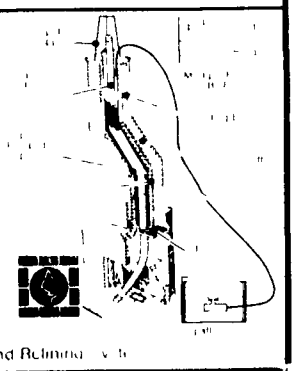

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Milking Parlor Smorgasbord

(Continued from Page A29)

is a wider lane at the end of the return exit.

They use a dual vaccum system; one for milking, one for washing. A transfer tank is employed with a pre-cooling plate. The transfer tank also serves as a washing tank.

With 600 gallons of washwater in the system, delivered at 45 gallons a minutes, the worker has 12 minutes to use it to hose down the parlor and holding area.

Representatives from parlor building companies gave presentations — like commercial breaks — between talks by dairy academians.

In the afternoon, Larry Jones, from Cornell University, discussed the need for installing a parlor with computerization and instrumentation to weigh milk.

He said that the use of any information gathering device has to be valued. The way it is valued it to determine how the information is used to make better management decisions and the profits realized from those decisions.

The value of an item is equal to the ratio of the profits realized by a decision to the cost of obtaining that information. If it breaks even, he said it doesn't make much sense to get the information. He said the ratio should be at least two to one.

Jones also warned of managing too much on a day-to-day basis and missing the "big picture."

He said that it is better to manage on a preventative basis — to work with items like days open and lactation lengths on a herd basis. And in his opinion, continuing to use DHIA is the only way to get the information necessary.

There are programs in development now, such as DHIAs LERP (Labor Efficient Records Program) which is being used on five farm in Pennsylvania and on six farms in New York.

He said the LERP program integrates some of the information collecting and processing abilities on the farms with DHIA. It depends on two tests a year on the farm.

Whether those two milk tests are enough for a dairy manager, each individual will have to decide.

He said that many of the electronic programs available to dairymen are not standardized, not compatible to DHIA, require the dairyman to have the time, finances, typing skills use them and do not guarantee that the information gathered is going to be interpreted accurately or used well.

He said that because of the lack of some standardization with programs, the situation now is "caveat emptor," or "let the buyer beware."

However, the price of computer equipment is coming down and the abilities are increasing. He said that, for roughly $4,000, a person could buy a system to run information program for his own farm, his neighbor's farm and still "have enough left over so the kids could play computer games."

According to Jones, DHIA should still be used even when a computerized system is in place on the farm. He provided several ancedotes of how some people fell into problems when dropping from DHIA testing as a management tool.

Several dairymen said they enjoyed the seminar, especially the mix of commercial representation with purely educational presentation.

According to Glenn Shirk, Lancaster County extension dairy agent, the mixed seminars will continue to be used. They are seen as a way of providing those who attend the seminars a look at a wide variety of choices, the make contacts and to gather information on what is really available before deciding whether or not to commit to a change in program.

Jeff and Sue Werner, Lebanon, attended the meeting. Though they farm a stanchion operation, they said they wanted to see what was new in dairy equipment.

"What I liked most was in the begining, they had some basic facts, such as how much a parlor would cost, what the level of cows would be needed to sustain a system," Jeff said.

Of the commercial offerings, Sue said, "I think it would be hard to determine which company to go with."

Jeff added, "But I like it set up that way. It breaks it up. You're better able to concentrate."

Steve Mason, of Nottingham, Chester County, is in a family partnership which milks 150 registered Holsteins out of a double-eight herringbone parlor and till 600 acres.

Mason said he was attending the seminar because he's been looking at ways to make the operation more efficient.

As it is now, Mason said their it takes five hours a day to milk the herd twice with two people milking at a time.

The farm has had a parlor for more than 30 years. It was one of the first free-stall farms in the area, he said.

What he looking to eliminate is more labor on the farm and possibly go to a one-man milking system.

Of the number of people who attended the seminar, Mason said, "I think people were surprised at the number of people and maybe asking themselves, 'Why, with a depressed economy, this many people would be willing to spend money?'

"It's because of efficiency," Mason said. "In tight times, you can't stop (getting more cost-effective), you have to go ahead cautiously."

As to what Larry Jones and others discussed about the need for DHIA, Mason said his brother Alan has a computer he works with.

"We're on DHIA, but basically we're in our infancy of utilizing the records. I wanted to ask that question and I think it was answered nicely," he said. "It's kind of like a tractor, information is a tool. You have to analyze. You have to determine if it's going to make you money."

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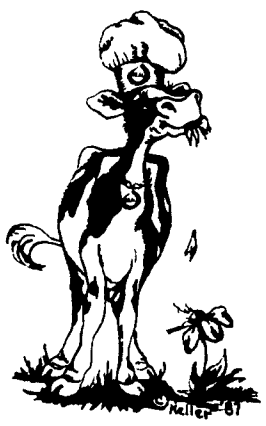

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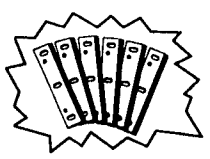

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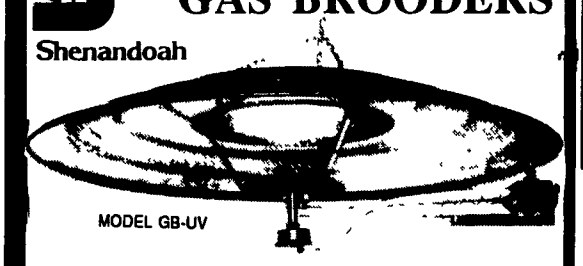

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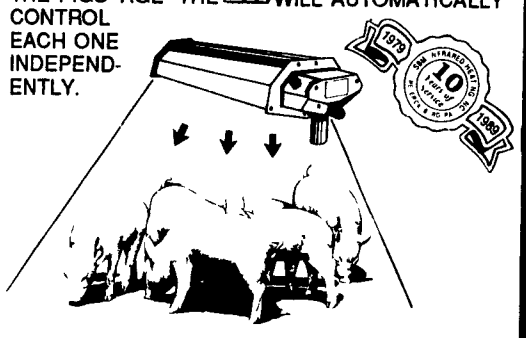

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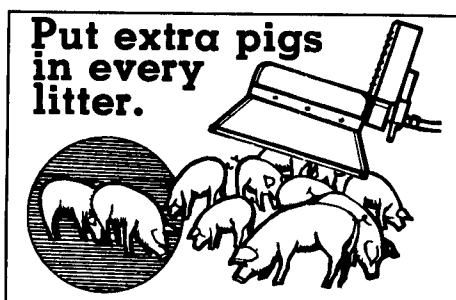

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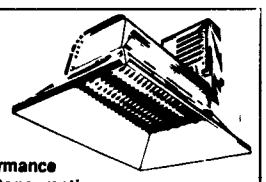

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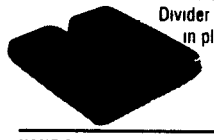

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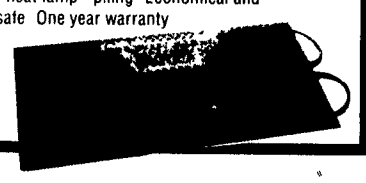

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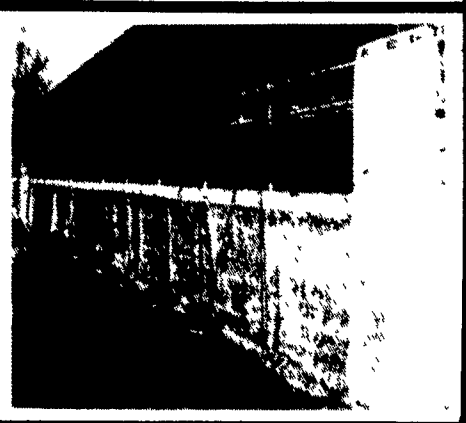

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Farmers Should Consider Environment

(Continued from Page A19)

exactly how much fertilizer and animal waste is contributing to pollution in the Chesapeake Bay.

There were lots of questions, but little data prepared by the study, according to Fox. The study looked at very general models and little input data. So Penn State decided to do their own field studies — and came up with some startling findings.

A special soil profile test revealed that about 200 pounds per acre of nitrogen was left in the soil profile that could eventually be leaching, according to the report. What the researchers found out was that, the more nitrogen fertilizer applied, the more leached into the ground.

Potential source

"Heavily manured fields are a potential source of nitrate leaching," said Fox. Safe drinking water standards only allow about 10 parts per million (ppm) of nitrates, and the researchers found as much as 24 ppm in some studies.

The nitrogen applied in the fall was carefully tracked. What the researchers found was that some of it denitrified — and a great deal of it could not be accounted for.

Because of the inadequacy of trying to obtain results of nitate leaching tests using a simple laboratory, the researchers took their work outside. In 1988, a special tract of land on Penn State's agronomy farm was used.

Eighteen 8-foot deep pits were dug up, and plywood boxes were placed and soil was backfilled around them. A four-foot trench was dug out on the sides, and 2-foot by 2½ -foot stainless steel pans, containing polystyrene beeds, were inserted. The pans were used to collect leached water and test for possible nitrate leaching.

Amount applied

The results were conclusive: Nitrate leaching occurs and the amount increases with the amount of fertilizer applied to the land.

"With manure, you had the nitrogen that could be mineralized after the corn harvest," said Fox. "You can be producing nitrates in the fall that are not used, so it could be actually leaching more with manure than with just straight inorganic fertilizers."

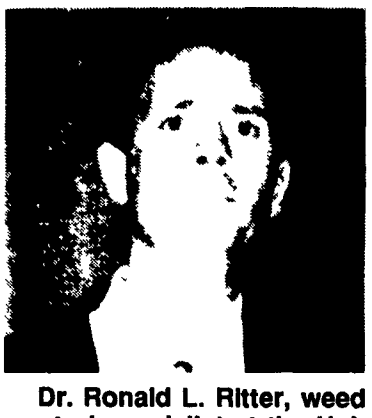
Fox said that the "take-home message here is that with our best economic nitrogen rate, the amount of nitrates in the leaching water is going to be closer to 20 parts per million than to 10 parts per million."

Fox said the researchers . . running the project for a third year, and are also looking at different models. "We're looking at much more sophisticated models than they use for the Chesapeake Program, to see if we can be able to predict the nitrate leaching in anybody's field," he said.

New chemistry

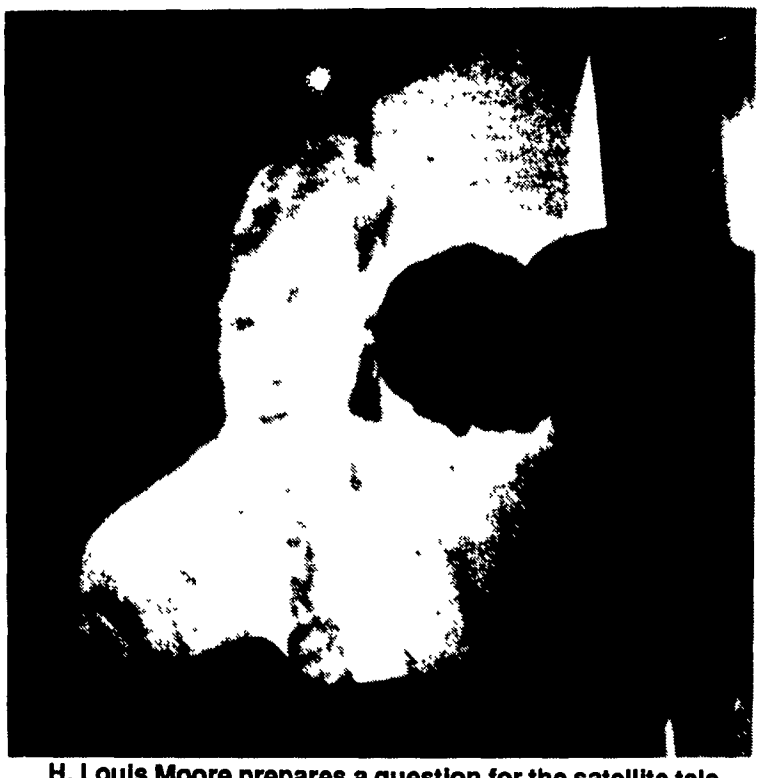
Ronald L. Ritter, weed control specialist with the University of Maryland, pointed out that new herbicides emphasize a new chemistry and less application rates.

"I'm sure that many of you are recognizing the fact that we're not using a whole lot of it," he said. "A little of it goes a long way."



Dr. Ronald L. Ritter, weed control specialist at the University of Maryland, talks about new weed control products at the Mid-Atlantic Tillage Conference Wednesday.

Richard H. Fox, Field Crop Production Systems, Dept. of Agronomy at Penn State, answers questions about the special nitrate leaching project at the agronomy farm.



H. Louis Moore prepares a question for the satellite teleconference panel. On the screen, broadcast live from Ohio State University, is Luther Tweeten, professor of ag economics.

Some of the tougher weeds farmers deal with — such as Canada thistle, Johnsongrass, wild garlic, pigweed, lambsquarters, etc. — can be battled now with the new "broad spectrum" pesticides. (See the related story, "The Latest In Chemical Weed Control," by Ritter this issue.)

"The industry and weed scientists like myself have responded to this problem," said Ritter. "There's a lot of good material out there — the Lassos, the Duals, the Atrazines — but there's a lot of new ones coming out, the sulfo nylur eas, the Accents, the Beacons. Many of them are nothing more than packaged mixes."

New herbicides

Some of the new herbicides labeled for use in the mid-Atlantic region include the sulfonylureas such as Accent, Beacon, Canopy, Classic, Gemini, Harmony Extra, and Pinnacle, and the imidazolinones such as Pursuit and Scepter.

But farmers should carefully

(Turn to Page A39)

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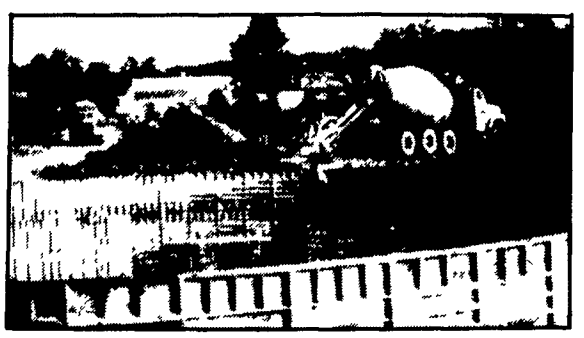

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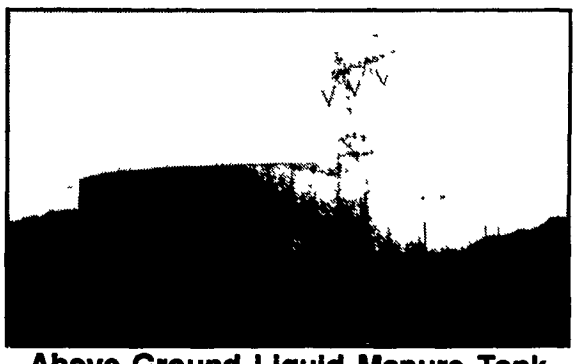

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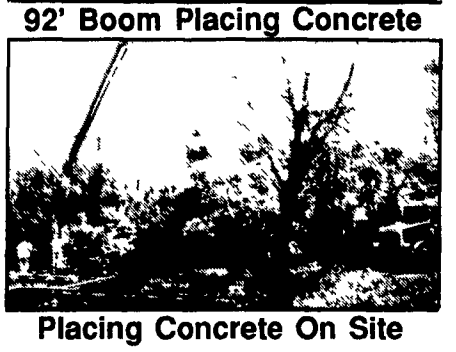

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Windyfield Jerseys Protein Production Is Erie Experience

VERNON ACHENBACH JR.
Lancaster Farming Staff

EDINBORO (Erie Co.) — The Jersey herd of Windyfield Jerseys has been recognized by the state Dairy Herd Improvement Assocaiation (DHIA) for having the greatest increase in average protein production for 1990.

That fact comes as a double-bonus for the owners.

The Erie County farm family who own Windyfield said that not only were they surprised at the honors for the production, but the information shows that their breeding efforts are paying off.

Arthur and Robert Caccese, run an all-registered Jersey milking herd of about 60 cows on a 150-acre farm in the snowbelt area better known for its history of oil production than milk production.

The state record increase for protein production, among the Jerseys: The Caccese herd showed an average increase of 81 pounds of protein per cow.

But the good news came as a surprise.

The father-son partnership moved from New Jersey two years ago in order to market the solids-dense milk to a cheese manufacturer, and they had been breeding for protein production.

The results of the DHIA record-keeping shows they are not only doing well in terms of producing for their company, but their goal of breeding for protein appears to be paying off.

The end of the year protein average for 1990 was 488 pounds of protein, which represents about 3.7 percent of the milk.

"I was really surprised," said Betsy Caccese wife and mother to the father-son duo. "We weren't trying to do that, it's something that happened.

"Always knowing that in time we would move (to another farm) and choose a protein market, it (the record) could indirectly indicate the selection of the breeding for the herd," she said.

Changes in feed may also have contributed to the rolling herd increase she said.

"When we lived in New Jersey, we were interested in our protein production and breeding in that direction even though we weren't receiving any payments at that time."

Miceli Cheese Co., in Cleveland, Ohio, is the reason the Cacceses moved.

According to several Jersey breeders, the western Pennsylvania, eastern Ohio region is one of the premier areas for Jersey breeders seeking to get some compensation for the high-protein milk produced.

According to Betsy, the November test for the Caccese herd is 13,726 pounds milk, 3.7 percent butterfat at 512 pounds, 3.5 protein.

She said that a change in diet may have helped with the protein production.

"We worked very closely with our seed company salesman and our extension agent George Wilcox. We uppped the total protein in the ration. We fed whole raw soybeans," Betsy said.

Raw soybean are not the norm. The norm is roasted and ground soybeans used in combination with other grains or feed additives as top dressing or mixed in with a total mixed ration (TMR).

"The reason for the whole raw soybeans," Betsy said, "we went over our total ration and determined that we needed more rumen degradable protein and determined we didn't need roasted soybeans because we would be getting more bypass protein.

"George Wilcox, went over our feed analysis and determined we needed more rumen degradable protein because of the quality of feeds available at the time, because of poor quality forages."

The Cacceses buy most of their feed.

We're still essentially buying our own feeds," Betsy said. "We are making our own corn silage and haylage and buyin baled hay and buying feeds."

The farm is in a rolling hills section of Erie County. Golf balls abound.

Their 72-tie-stall barn is no reflection on the par of the local courses, but they don't mind the urban sport and crowd it draws.

There is more to the story than making a move from New Jersey.

The Cacceses have made several significant changes in their lives.

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They are almost as much changed as the scenery and weather they have now in northwestern Pennsylvania compared to their New Jersey quarters.

"In New Jersey we had loose housing and a 12-stall barn and we milked in the 12-stall barn. We only had 30 cows in New Jersey," she said. The heat and humidity of summer seemed to stress the cows. The coolness of their new location seems better, she said.

The Cacceses are almost as much changed — they are not a traditional dairy farm family. They have no backround of dairying.

They started with a family cow.

"My husband and I are in our early 50s, our son is 30, and we didn't milk cows before this.

"We just decided to get a family cow and fell in love with it, bought a few more, and a few more ...

"Neither (Arthur nor Robert) has a dairy backround. Although our son majored in dairy science at the University of Delaware, his interest was already geared in dairying," she said.

The move to Erie County is almost a predictable event.

"We started milking them eight years ago and we felt then that the milk market was going to head toward a protein market. It was already showing signs of becoming a protein market," she said adding that in New Jersey they weren't compensated for the extra protein.

Now selling to a cheese manufacturer has changed that.

Also, many dairymen, in all cattle breeds, are working toward protein production. That makes the news even sweeter to the Cacceses — to know the efforts are paying off.

"Naturally everyone hopes to increase production, of course we're breeding for protein, we are selecting for total milk production and protein," she said.

Betsy said that not only are the Cacceses happy with their relatively new vocation, but also with the location.

"Compared to what we were used to in New Jersey, I think there are a lot more dairy farms here and we're very happy to be in an area where a lot of dairying is being done. We have a lot of support services.

"We have excellent feed and nutritioninst and very good veterinary services.

The Caccese herd was put on DHIA testing while in New Jersey, under the owner-sampler program. "Thanksgiving Day two years ago, we switched to AM-PM on a timer," Betsy said.

The metamorphic process that has turned the Caccese family into a dairy family isn't about to quickly change them back into a non-dairy family. They are apparently in for the long run.

"It's just the begining for us," Betsy said. "We hope to be in the business for some time."

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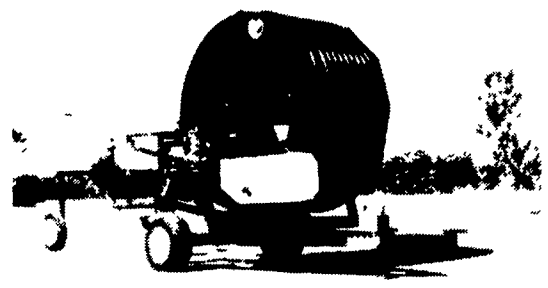

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Cow Care Big Factor In Lowering SCC

ANDY ANDREWS
Lancaster Farming Staff

LORETTO (Cambria Co.) — Individual cow care, and knowing how to keep the animals clean and well fed, helped boost Valewood Dairy to a somatic cell count (SCC) of 90,000 — the best in the state for cow operations with over 100 cows, according to the Pennsylvania DHIA.

The farm, co-owned by Bill, Matt, Pat, Kim, Andy, and Dan Itle, and Jan Lidwell, includes 115 head of registered Holsteins and 100 replacements. The operation is free stall with a double-6 parlor (12 units total). The Itles milk the cows twice a day — at 5 a.m. and 4 p.m. — and involve the entire family in the operation.

Valewood Dairy's SCC was brought about by "not any one thing," said Jan Lidwell, who helps with the operation. When the farm was first placed on DHIA, "it didn't seem to pay. We took the cows off one year. But then, when we started seeing a mastitis problem, we went back on the system.

"We couldn't operate without our DHIA records at all," she said. Using the DHIA records has helped Valewood identify and control the mastitis problem.

Through a program of individual cow care, and maintaining the cleanliness of the stall, the SCC was lowered. In addition, the farm uses a special post-dip method to control the bacteria count.

By taking time with each cow, and cleaning out the freestall regularly, helped keep the SCC as low as it is. Jan said they are considering using a pre-dip method to see if that may help lower the SCC even further.

Valewood Dairy totals about 500 acres (about 450 tillable). The farm has been in operation since 1933, and the members of the Itle family that now own the farm purchased the operation in 1986.

The Itles grow their own hay and purchase high-moisture corn. The use a special computer-fed total mixed rations, which they began using in 1983. Two mixes are used, including a soybean/mineral mix and a rolled corn mix.

Members of the family take turns so everyone gets one weekend off every month, said Jan.

"I really like cows," she said. "Cows are easily domesticated, and they are people animals."

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Milk Cows Competely, Says Farmer, To Improve Production

ANDY ANDREWS
Lancaster Farming Staff

SHARPSVILLE (Mercer Co.) — You have to be careful with automatic milkers — often they don't do their job quite right.

In the case of one Mercer County farmer, just standing by and keeping the automatic takeoff on for 15 seconds or more longer — increasing output by 2 to 3 pounds of milk — has increased the rolling herd average by 1,138 pounds. This made the farm number 1 in milk pounds improvement in the Guernsey breed under the Pennsylvania DHIA.

Harold Ealy, of Ealy's Highland Farm, grows his own feed, including a high moisture shelled corn haylage. But feed wasn't necessarily the factor in the increase, including a protein increase by 34 pounds, making it the number 1 improved Guernsey breed by protein in 1990. It was simply milking the cows completely that helped improve the averages.

Harold began farming 35 years ago. He purchased the farm from his father, Randall Ealy, in 1967. Randall's father purchased the farm in 1898, and it's been in the family for 92 years. Harold farms the 230 acres (200 tillable, 60 acres rented) with help from his son-in-law, Chad Welsch.

Ealy's herd size is 70, which he milks twice a day. There are 10 bred heifer replacments, and 16 with a bull for next fall. He milks out of a milking parlor with a pipeline.

The day begins at 6 a.m., and finishes with the final milking at 6 p.m. The rest of the time is occupied with field work and other farm chores.

"My dad had Guernseys," he said. "My dad and my uncle raised Holsteins and Guernseys. But my father ended up with the Guernseys, and so did I."

Ealy likes the Guernsey breed because it is a high protein producer and "a real gentle animal, and doesn't eat as much as a Holstein," he said.

Ealy has been with the DHIA since 1969, and believes that there is a lot of work to farming. He believes that cows must be milked out completely in order to improve production — and a farmer must look at each cow separately to determine how that is done.

Farm Calendar

(Continued from Page A10)

Thursday, January 3

Bradford Co. Christmas Tree Management Short Course, University Park, thru Jan. 4.

Franklin Co. Dairy Day, Kauffman's Community Center.

Lycoming Co. 1991 area income tax meeting, Comfort Inn, New Columbia, 8:30 a.m.-4 p.m., thru Jan. 4.

Friday, January 4

Lycoming Co. 1991 area income tax meeting, Comfort Inn, New Columbia, 8:30 a.m.-4 p.m.

Saturday, January 5

Pennsylvania Farm Show, Farm Show Complex, open for judging only.

Sunday, January 6

Pennsylvania Farm Show, Farm Show Complex, Harrisburg, thru Jan. 11.

Monday, January 7

Pennsylvania Farm Show, Farm Show Complex, Harrisburg, thru Jan. 11.

Annual Dairy Industry Conference, Stouffer Dublin Hotel, Dublin, Ohio, thru Jan. 8.

Farm Women Society annual convention, 10 a.m., Farm Women banquet, Penn Harris Motor Inn, 5:30 p.m.

Tuesday, January 8

Pennsylvania Farm Show, Farm Show Complex, Harrisburg, thru Jan. 11.

1991 Eastern Pa. Turf Conference and Trade Show, Valley Forge Convention Center, Sheraton-Valley Forge Hotel, 10 a.m.-4:30 p.m., thru Jan. 11.

Wednesday, January 9

Pennsylvania Farm Show, Farm Show Complex, Harrisburg, thru Jan. 11.

1991 Eastern Pa. Turf Conference and Trade Show, Valley Forge Convention Center, Sheraton-Valley Forge Hotel, 10 a.m.-4:30 p.m., thru Jan. 11.

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Dairy Farmers Receive $13.10 For October Milk

NEW YORK — Dairy farmers who supplied milk plants regulated under the New York-New Jersey marketing orders during October will be paid on the basis of a uniform price of $13.10 per hundredweight (28.2 cents per quart).

The price for the corresponding month last year was $14.67 per hundredweight, according to Acting Market Administrator Robert C. Pearce who also stated that the price was $14.27 in September 1990.

The uniform price is a market-wide weighted average of the value of farm milk used for fluid and manufactured dairy products.

The seasonal incentive fund returned a total of $3,821,184.87, or $.429 per hundredweight, to the dairy farmers' uniform price for October. This fund was generated by reducing the uniform price paid to producers during the high-production spring months.

A total of 13,189 dairy farmers supplied the New York-New Jersey Milk Marketing Area with 890,184,999 pounds of milk during October. This was an increase of 1.8 percent (about 16 million pounds) from last year.

The gross value to dairy farmers for milk deliveries was $118,896,333.50. This included differentials required to be paid to dairy farmers but not voluntary premiums or deductions authorized by the farmer.

Regulated milk dealers (handlers) used 398,051,786 pounds of milk for Class I, 44.7 percent of the total. This milk is used for fluid milk products such as homogenized, flavored, low test, and skim milks.

For October, handlers paid $15.64 per hundredweight (33.6 cents per quart) for Class I milk compared with $14.92 a year ago.

The balance (492,133,213 pounds or 55.3 percent) was used to manufacture Class II products including butter, cheese, ice cream and yogurt. Handlers paid $10.54 per hundredweight for this milk.

The uniform price is based on milk containing 3.5 percent butterfat. For October 1990, there was a price differential of 11.4 cents for each one-tenth of one percent that the milk tested above or below the 3.5 percent standard.

All prices quoted are for bulk tank milk received from farms in the 201-210 mile zone from New York City.

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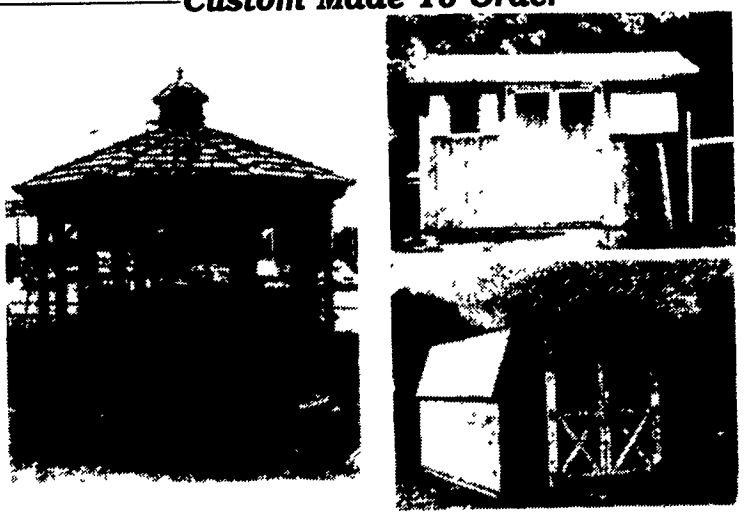

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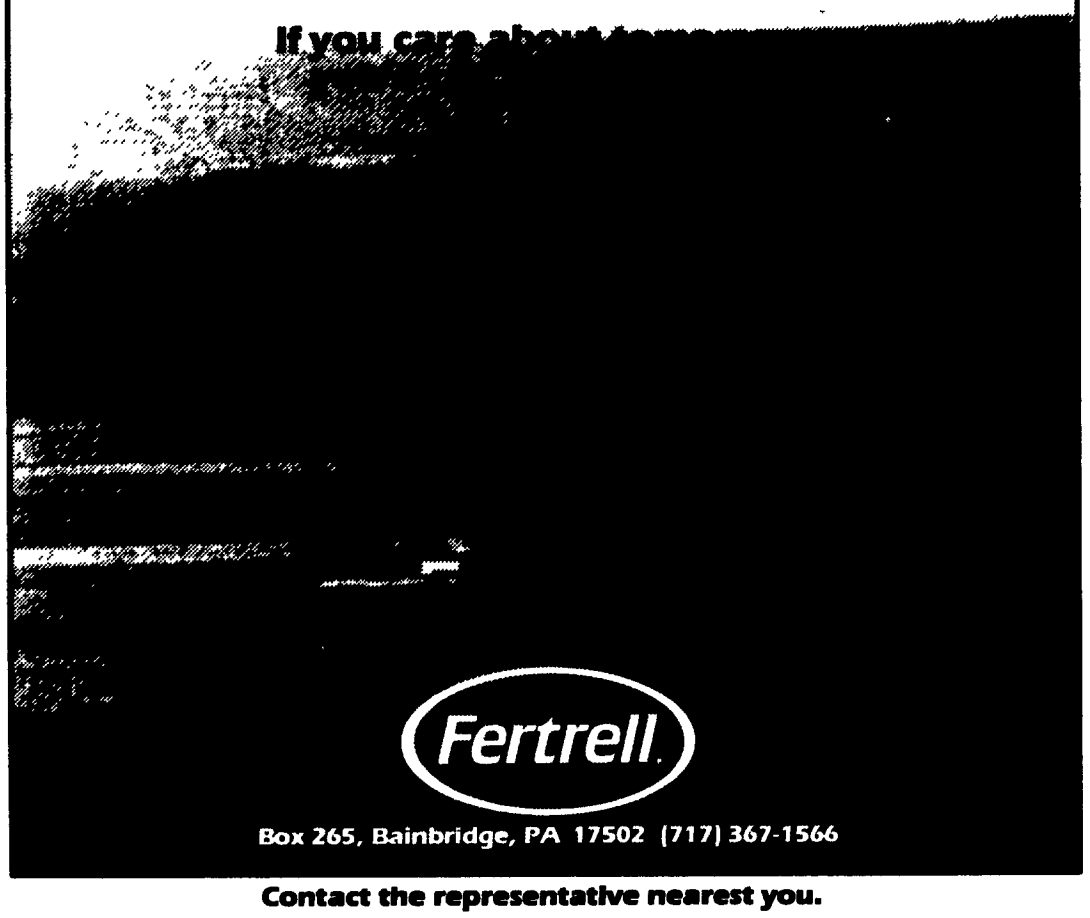

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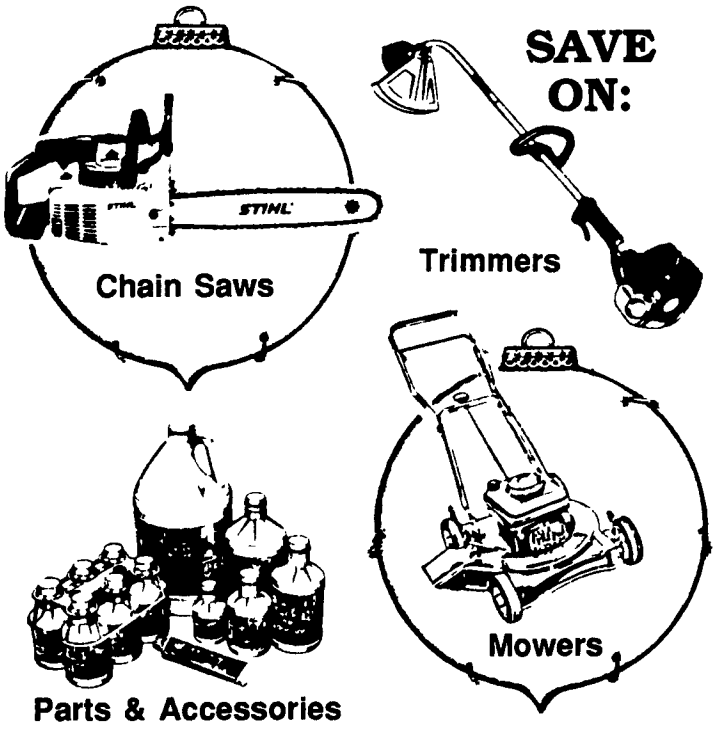

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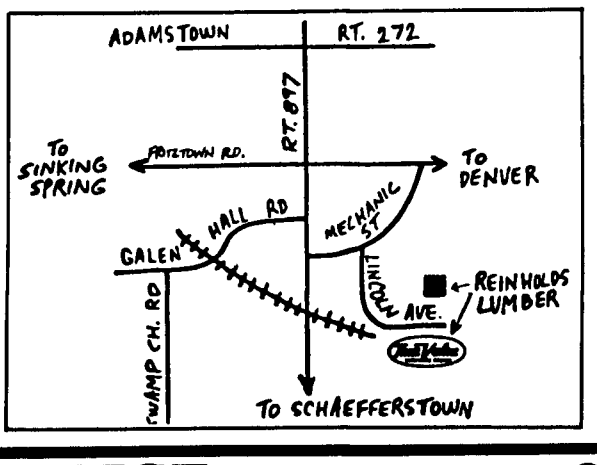

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Nittany Lion players (left to right) Eric Ravotti, outside linebacker; tri-captain and tackle, Matt McCartin; PDPP Board Member Shirley Womer; and cornerback, Greg Fusetti pause briefly for a photo, as the Nittany Lions claim possession of the coveted Milkcan Trophy.

Paterno Accepts $1,000 For College Of Ag

HARRISBURG (Dauphin Co.) — Winning is a sweet reward, but receiving a $1,000 academic scholarship for winning a football game is like double the fun.

The Nittany Lions of Penn State defeated the Terrapins from the University of Maryland earlier this season in the annual Dairy Gridiron Classic, sponsored by the Pennsylvania Dairy Promotion Program. Coach Joe Paterno accepted the scholarship money on behalf of the College of Agriculture.

The PDPP has endorsed the Dairy Gridiron Classic for five years, supporting not only intercollegiate athletics, but the education of youth and the development of the dairy industry.

The last three years the Land Grant Universities of Pennsylvania and Maryland played for the bragging rights. Of the three matches, Penn State won twice taking home not only the cash, but a beautiful Milkcan Trophy as well. The third game was a tie and the schools shared the money.

The college of agriculture of the winning school oversees the distribution of the funds to students needing financial assistance, who are studying dairy or food science.

PDPP Board Member Shirley Womer congratulates Penn State Nittany Lion Headcoach Joe Paterno for winning the Dairy Gridiron Classic sponsored by the PA Dairy Promotion Program. The College of Agriculture at Penn State received $1,000 for academic scholarships as a result of the win over the University of Maryland Terrapins.

Vantage Has Advantage In Milk Production Increase

VERNON ACHENBACH, JR.
Lancaster Farming Staff

FREDONIA (Mercer County) — Vantage Jerseys of Mercer County was named the Jersey herd with the most improvement in milk production in Pennsylvania for 1990, according to records kept by the state Dairy Herd Improvement Association (Pa.DHIA).

The northwestern region of the state in which the farm lies is apparently a concentration area for those with top-notch, commcerical production Jersey herds.

Donald Koontz owns and operates Vantage Jerseys and his 100 registered milking Jerseys are located in Mercer County on a 109-acre farm near the Ohio border.

In the same neighborhood as Vantage Jerseys, about 100 miles north in Erie County, is the home of this year's most improved Jersey herd for protein production, Windyfield Jerseys.

The close proximity of the two Jersey herds is not coincedence. Both operations market their milk to an Ohio cheese manufacturer.

The milk from both Jersey herds is bought by Mecili's Dairy in Cleveland, a manufacturer of mozzarella and provolone cheeses.

"In the United States, this is the best area of the country to live in, as far as the cheese market," Koontz said.

It's also a good place to see waterfowl. Pymatuming Wildlife Refuge is nearby and is a haven for ducks and Canada geese. The shore waters of Lake Erie also are important for waterfowl.

In some areas waterfowl are a problem with crop production.

"We get quite a few geese come in," Koontz said. "We always sow a winter rye crop. And when it gets any size at all, the geese are in here chewing it. So far we consider them beautiful," he said.

There are other things of beauty to Donald Koontz, who, with his wife Angie, a fulltime hired man and a part-time helper, takes care of the 100 milking cows and an equal number of replacements.

The DHIA milk production records of Vantage Jerseys is one of those other things.

"It's considerably ahead of a goal that we set," Donald said. "We wanted to be over 17,000 (pounds of milk). Right now I think we've come up more. We're up over 17,800. The thing we have to work on now is our protein test."

Koontz said he is happy with the result shown by the DHIA records, but he is cautious to brag about it.

"Frankly, they're history and it's dollars that are most important," Koontz said.

"When you see a herd average you have no idea how much profit, but they're (DHIA records) good. It's a measurement. But I don't take it as everything."

Koontz said a number of things can be attributed to his herd's increase in milk production.

Feeding

"We've always tried to feed well. Then, about a year ago we signed on with a private nutritionist which we think has helped quite a bit," Koontz said.

"We grow our own corn silage and buy hay and grain. We have limited acres and no real desire to get into the equipment business. We till 65 acres, all in continuous corn. We have some pasture and about 13 acres of woodland."

The Koontz Jerseys are fed a total mixed ration (TMR), a practice he has done for some time.

"We were making a primitive attempt at it from day one, but only actually put in the mixer unit in 1983. We mix corn silage, chopped baled hay and custom mixed grain.

"Our grain mix is basically corn, 48 percent soy, distiller's grain, soy hulls, top grade animal fat, and meat and bone meal," Koontz said.

"We have two rows of free stalls with a bunk in the middle. Everything we feed is done mechanically with a stationary mixer and elevators."

Breeding

Koontz said his breeding program is also important to milk production.

"I do my own breeding. Now, the last few years, we've been selecting almost totaly on pounds of protein.

"We take the top 10 or 15 bulls on the USDA list and try to mate them according to type strengths and weaknesses," he said.

Sire selection is not the only important part of Koontz's breeding program.

"The calving interval right now is just short of 13 months. We've been working pretty hard on that," he said. "I have nightmares of waking up with a completely open (not bred) herd."

His heifers are all bred with aritificial insemination.

The heifers are kept in a modern-style barn that is 60-feet by 1,200-feet. Additionally, the heifer area has a lean-to building for additional housing.

"Some of the heifers are on freestalls, some are on a manure pack and there are some dry cows in there also," Koontz said.

"The heifers are bred in a freestall pen and it has a rough concrete floor. The milking herd is on a grooved concrete floor that is scraped once a day.

"The heifers have access to outdoors as well, so we observe heats in both places," Koontz said.

Milking Schedule

Though it can't necessarily be attributed to any increase in milk production over the last year, Koontz said going to a three-times-daily milking schedule has helped.

"I started milking three times a day in January of '85," Koontz said. "At the time, we wanted to hire more help, but couldn't justify it (the cost) on two times a day milking. That's why we went to three times.

"We started at probably an ideal time, when we had the herd freshened 60 to 90 days and the cows immediatly jumped (in milk production) about 18 percent," Koontz said.

The milking is done in a double-four herrinbone parlor with an automatic take-off.

"The parlor was here when we moved here. We updated it," he said.

Replacement Stock

Koontz has been raising his own replacement stock for a number of years and he attributes that to adding to the high rolling herd milk production average.

The building with his barn and milking parlor is 178 feet in length. It's a freestall barn, but it also has a separate maternity facility.

Calves are started in a nine-stall calf condo. And then, when about a month old, Koontz moves them to a tie stall area where they stay for six weeks before moving them into small group pens.

"We lose very few calves, almost none. I think we lost one this summer. My wife Angie takes care of that," Koontz said. "Her main function is calves and books."

Also herd health has been a big consideration in maintaining a high milk production average.

"It's pretty much a closed herd. I recently bought a high indexed heifer, the first in three years. Three years ago I bought a heifer. Occassionally I will, but for all practial purposes, it's closed herd," Koontz said.

The reason for that is herd health.

"We've been working on health testing, elimination of leukosis," he said.

"When we were putting the herd together, we were getting into all the problems you could get into by bringing in a large number of cows at one time," Koontz said.

"It was nothing drastic, but showed up in calf raising. When you are bringing in animals from all different backrounds, you bring in all the viruses and parasites from those other farms. It's nothing severe, but things have been much calmer with a closed herd, health wise."

History

Koontz is not a local boy to the Mercer area.

"I moved to Fredonia in September 1979," he said. When I graduated from college, I worked for seven years on a large dairy farm in Montgomery County," he said. He then went into a partnership in Bedford County for two years and then "I located a farm in Mercer County that I could afford and that's where I'm at now."

Holsteins are the most common breed in the state, but Koontz said his particular affection with the Jersey breed goes back to his childhood.

"I guess the first reason for having Jerseys would be, I was raised with Jerseys. And secondly, especially in the last years, with the protien, there's no reason to change. And Jerseys are increasing in production."

The Future

And while things having been going well for the Koontz operation, Donald said he doesn't want to sit back and stagnate.

"We've been on the farm been 11 years. I have not checked back, but we've been in the top five in the state for nine of those years," he said.

(Turn to Page A37)

Vantage Has Advantage

(Continued from Page A36)

"We've been between 95 and 105 milking cows most of the time we've been here. That pretty much fits our facilities.

"We're in the process now of investigating how we can gradually — without a large investment — how we can grow a little bit, to the extent of five to 10 cows a year," Koontz said.

Also, with his wife's help, he is looking at modernizing a little more and using information a little more effectively.

"Her (Angie's) latest project is to become computer friendly, which she's having a bit of success with. Then she'll teach me."

NIH Says BST Safe

BETHESDA, Md.— Milk derived from cows treated with a synthetic growth hormone to increase their milk production is safe for consumption, according to a panel of medical and veterinary experts convened by the National Institutes of Health (NIH).

Recombinant bovine somatotropin (rBST) is a synthetic version of a growth hormone naturally occurring in cows and their milk. When administered to dairy cows, rBST increases their average milk production by at least 10 percent and perhaps more. The use of rBST has generated considerable controversy regarding its possible health implications not only for the humans who consume milk and meat from rBST-treated cows but also for the animals themselves.

The panel said that rBST does not affect the quality of milk and meat derived from cows given rBST. "The evidence clearly indicates that the overall composition and nutritional quality of milk and meat from rBST-treated cows is equal to that from untreated cows," said panel chairman Dr. Melvin Grumbach, chairman emeritus of pediatrics at the University of California at San Francisco.

The experts agreed that rBST "does not appear to affect appreciably the general health of dairy cows." However, the panel could draw no conclusions based on the available data regarding the effect of rBST on the incidence of mastitis (udder infection). "The panel is aware that the Food and Drug Administration is currently evaluating a large body of data. We presume that an evaluation and analysis of this data will be forthcoming," said Grumbach. The biosynthetic hormone has not been approved by the FDA for commercial use.

Most milk consumed in the United States is pasteurized (heat treated), which inactivates most of the BST found in milk. Any trace amounts of BST ingested in milk or meat is broken down in digestion and rendered harmless.

The panel concluded by saying, "The use of rBST can be a very important management tool for American dairy farmers."

This 3-day technology assessment conference was sponsored by the National Institute of Child Health and Human Development and the NIH Office of Medical Applications of Research.

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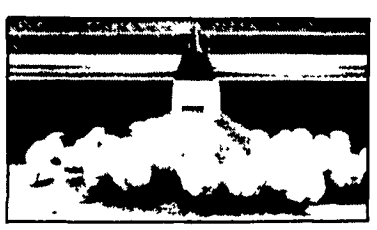

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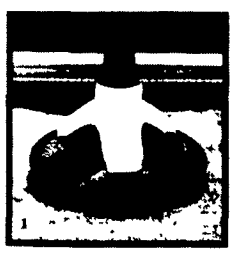

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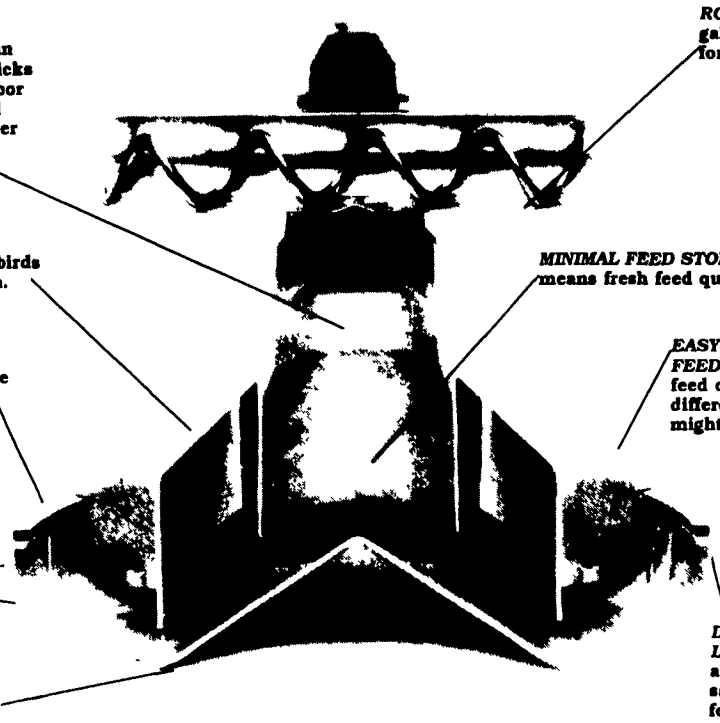

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GATT Collapse

(Continued from Page A24)

markets in the past 12 years; not to competition, but to heavily subsidized EC exports.

The cost of the EC's farm subsidy program is staggering, and continues to grow. The EC exports $32 billion in farm products, less than five percent of the Community's total exports. Yet, in the latest exporting year, the Community spent $11 billion in direct subsidies to make those sales possible.

"It is estimated that Western European consumers pay an estimated $54 billion in higher food prices and $44 billion in higher taxes due to the common agricultural policies," according to Eckel. "It's total economic nonsense being applied by European leaders to solve a political problem."

Europeans argue current levels of support are needed to keep the 10.2 million farmers on the land, but farmers are leaving the land in great numbers.

Prior to the 1980s, the EC was a net grain importer. Then, as a result of generous internal and external subsidies, EC grain exports grew to 32 million metric tons.

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SHORT NOTICE

PUBLIC AUCTION

OF FARM REAL ESTATE AND SMALL & MISC. ITEMS

SAT., JANUARY 12 AT 12:30 P.M.
(REAL ESTATE AT 1:00 P.M.)

LOCATION: From the South - Route 422 East of Myerstown - Go North on Wintersville Rd. to School Rd. - turn East on School Rd. - 1/8 mile Farm on left. From the North - Exit Route 78 at Bethel - go South on Rt. 501 thru Bethel - South of Bethel stop sign at T - 501 goes Right, you turn left on Rehrersburg Rd. - very short distance take a right on Wintersville Rd. to School Rd. - turn left on School Rd. 1st Farm on left.

DESCRIPTION: 100 ACRES M/L FARM approx. 85 to 90 acres tillable, remainder pasture. Very private setting. Buildings are off the road. Stream, pond and inground pool. 2½ Story 4 Bedroom Brick dwelling w/1½ baths and New kitchen. Loose housing. Bank Barn with 3 Bays & 2 Mows plus 2 additions. Converted Tobacco Barn w/Pleasant Shop & lean to Equipment Shed. New Multi Purpose building. 20x27 Grain Harvestore w/Sweep Arm Unloader.

TOOLS & MISC. ITEMS: Harvestore Roller Mill, Air Compressor, Simplicity 4211 Lawn Tractor, ½ Drive Air Impact Wrench, Chain Saw, Tire Chains, Twine, Ladders, Asst. Hand Tools, Axes, Misc. Lumber, Cattle Gates, Platform Scale, plus many more items.

TERMS: 15% Down day of Sale, balance on or before February 24th, 1991.

OWNER:
Robert W. & Robin L. Reber (H/W) and Ellen E. Reber

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Hybrid	Tons Per Acre	% Moisture	Tons Per Acre Dry Matter
DeKalb - DK 524	**28.5**	**45.3**	**10.0**
Hardy HB6938	27.4	42.1	9.6
Agway AG 261	26.9	38.7	9.4
Funks G 4018	25.7	39.7	9.0
Funks G 4106	25.5	45.8	9.0
Hardy HB 6872	25.2	47.6	8.8
Cargill 842	24.8	47.6	8.7
Pioneer 3540	24.7	58.9	8.6
Eastland 478	24.5	49.5	8.6
Pioneer 3925	24.0	33.1	8.4
Hytest HT 238	23.4	42.6	8.2
Agway 310	23.5	39.7	8.2
Garst 8823	22.6	42.6	7.9
Doeblers 48X-E	22.3	31.8	7.8
Jacques 4170	22.2	41.1	7.8
Doeblers 35XP	18.2	49.2	6.4
Hybrid Means	24.3	43.4	8.5
L.S.D. (.05)	7.4	13.9	2.6

* See the 1990 PA Commercial Hybrid Corn Test Report (Maturity Zone 1)

See your local DeKalb dealer for more information.

Farmers Should Consider Environment

(Continued from Page A31)

examine their needs and follow the labels closely. Also, some herbicides cannot be used in combination, and farmers should be watching the rotation schedule. They also should look out for the new "restricted use" labeling going on.

"Atrazine is becoming a restricted-use product," Ritter said. "Those of you who are not certified, if you're thinking about getting atrazine or getting a product that has atrazine in it, you're going to have to be certified."

A new product, such as Du Pont's Accent, works well with many of the annual and perennial grasses, according to Ritter. Beacon, another new product, will offer good control of some of the broadleaf weeds.

New products

In 1990, a number of new products were introduced, and some do not yet have the label. Ally for grass pastures (a sulfonylurea) has no grazing restrictions. Pursuit, for alfalfa, may not be available for some time down the road, but may be good for many post-emergent applications. Stinger, which could get labelling in late 1990, in excellent on controlling broadleaf weeds, said Ritter.

Some farmers have trouble with older weeds. But the reseachers are discovering more exact herbicide applications to control them.

"Johnsongrass, I'll tell you, this thing's a beast," he said. "As many of you from Maryland or Pennsylvania are trying to tackle this one, new materials have some activity." Accent will help control most of the weed pressure, except in extreme cases. Beacon also is recommended, according to Ritter, but none of the materials are 100 percent active on some of the hard-to-control grasses.

Professional advice

Farmers should seek professional advice in determining what type of herbicide to use and in what manner, according to most experts. But farmers should be aware that, in some cases, the use of certain herbicides in certain situations can create different problems.

Control pressure

Some conventional practices, such as tillage and not spraying under drought stress conditions, proper timing, and rotating soybeans will also help control weed pressure.

"Keep in mind that ther are some serious and severe rotational restrictions on each and every one of these products," said Ritter. "So when you think about chemical weed control, think about crop rotation."

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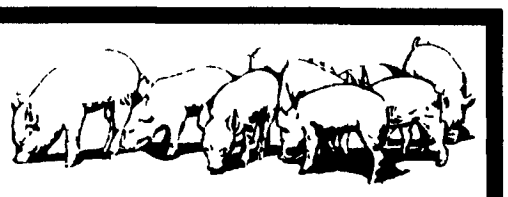

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Take Route 283 West to Manheim-Mt. Joy Exit. From exit go west on Route 772. Go approximately 1.3 miles to Milton Grove Road and continue on Milton Grove Road to Mt. Pleasant Church Road and turn left to auction site.

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John Deere #4450 tractor with cab, 4-wheel drive, new rubber; John Deere #4450 tractor with cab, 4-wheel drive, new rubber, John Deere #280 loader; John Deere #2640 tractor, John Deere #146 loader; John Deere #7000 Conservation six-row corn planter; John Deere #65 scraper; **Deutz #7.10 tractor with cab, 4-wheel drive, new rubber; International #886 tractor with roll bar.**

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New Holland #775 skid loader with Deutz air cooled engine; New Holland #495 haybine 12' with end transport; New Holland #320 baler hydroformatic with thrower; New Holland #8 forage box wagon with gear; New Holland #258 hydraulic drive rake; New Holland #462 disk mower; (2) New Holland #800 manure spreaders; (5) Killbros #375 gravity bin wagons with side extension; McCurdy #275 gravity bin wagon with side extension; Gehl flatbed wagon; Gehl #460 round baler.

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PREVIEW OF ITEMS, FRIDAY, DECEMBER 28, 1990.

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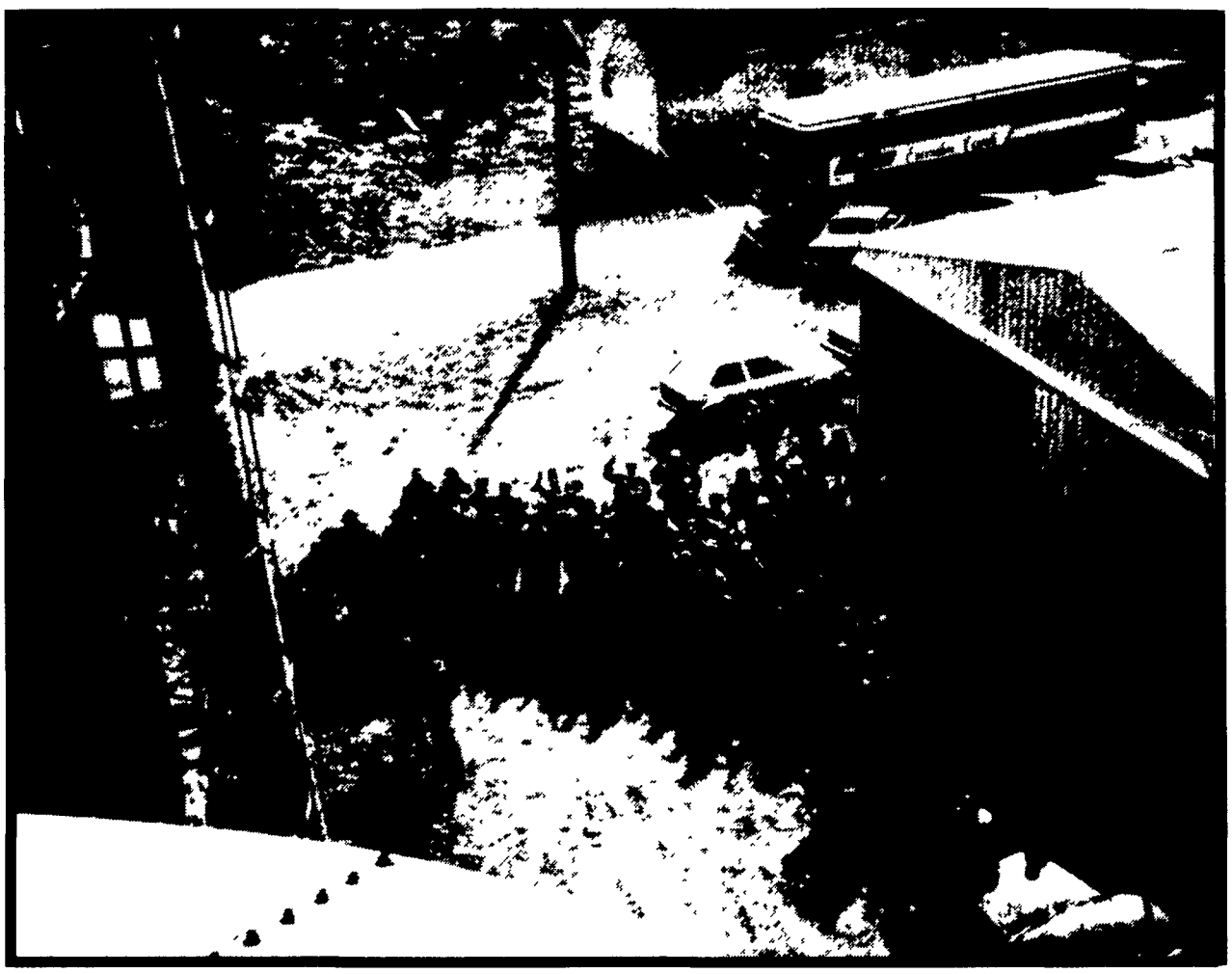

This is just part of the over 120 people who joined us on last week's Schuylkill Co. Dairy Tour.

If you aren't in this picture, you missed out on a great opportunity to share ideas on feed management, waste handling and herd health with some top dairy farmers!

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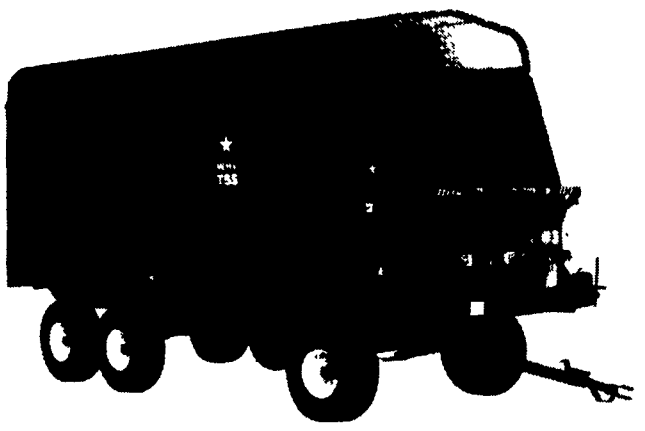

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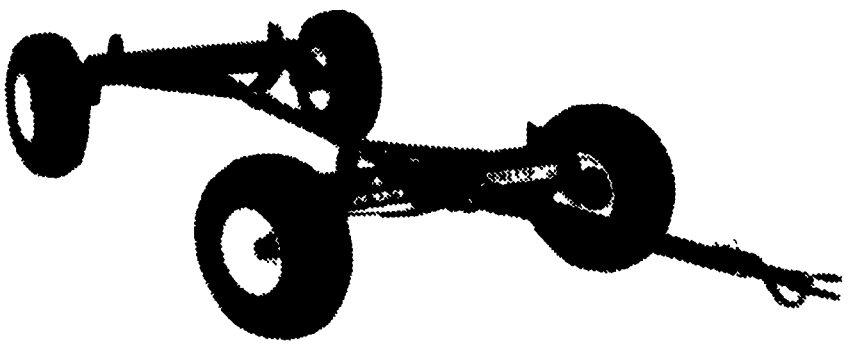
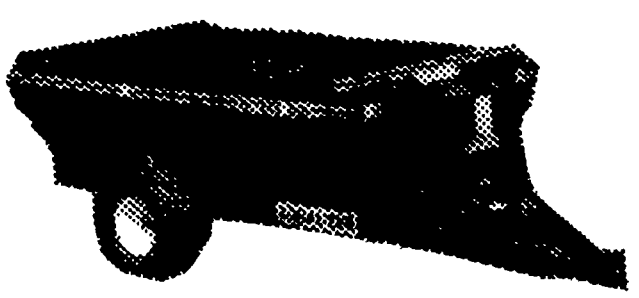
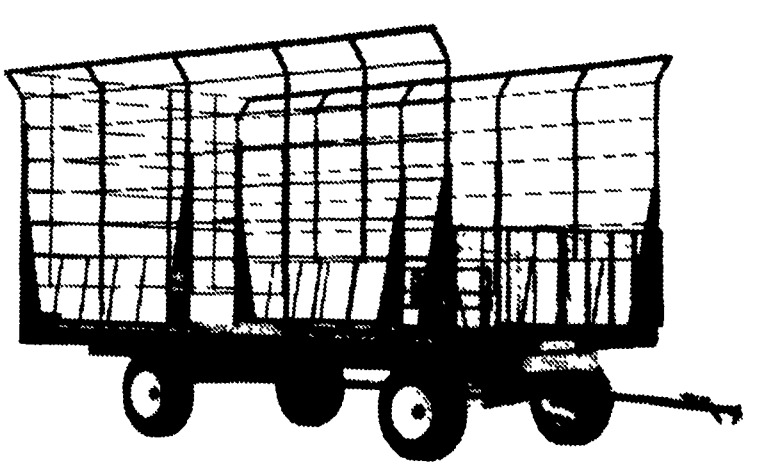


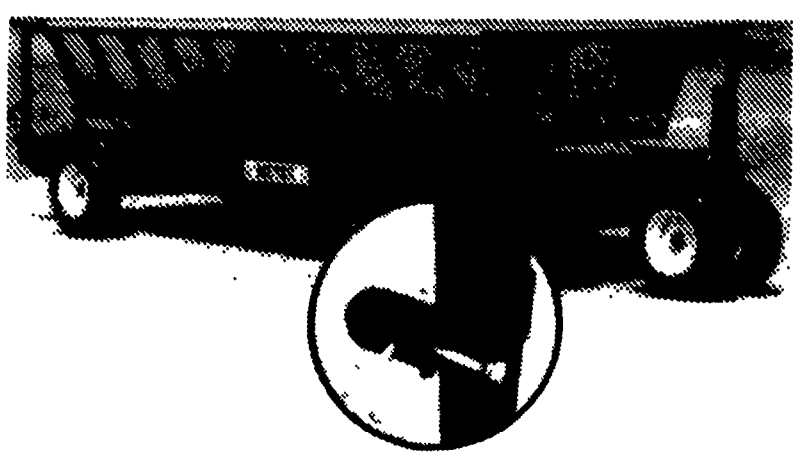
Meyer Farm Wagons



Meyer Equalizer Spreaders



Meyer Bale Boxes



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Family Shares Ideas To Make The Season Bright

LOU ANN GOOD
Lancaster Farming Staff

MOUNT JOY (Lancaster Co.) — The Creveling's two-story German home in Mount Joy glows with coziness during the holiday season.

It's the little touches that make Christmas truly memorable, believe Sue and Rick, parents of Kristen, 8, and Katie, 5.

Family traditions of turkey dinners, cookie baking, and sing-a-longs have been passed through the generations. Now the Crevelings are adding some of their own to enrich their children's lives.

The Christmas season begins officially after Thanksgiving when Rick takes his annual trek to a local bookstore to find tapes to add to his stock of Christmas music.

"I think music sets the atmosphere," he said. "It's amazing what the kids pick up by listening to music."

Then the family cuts down its own tree. While Sue and the girls decorate it, Rich picks out music for the season that spreads an air of anticipation.

Sue said, "I like the tree decorated with things the children make. Our tree is more of a homey, subdued tree rather than a glitzy one."

Each ornament the child places is left where attached and not moved to a more eye-balanced spot because Sue believes it is important that children have confidence that they do a good job.

"We put on the lights and take an evening to decorate the tree," Sue said. "The holiday music and the real tree smell put us in a Christmasy mood."

A crackling fire in one of the four fireplaces in the Crevlings' home encourages drop-in guests to linger. Sue has a bowl of popcorn and other holiday goodies ready to serve guests.

With Sue's sister, Donna Courtney, traditional candies and cookies, and breads are prepared that spread a delicious aroma throughout the house.

The open staircase is decorated with sways of holiday greens. A lace tablecloth angled on top of a solid red one, is ready for guests.

Sue found that a tray or dish draped with red or green tissue paper and filled with snacks adds a festive touch.

Holidays are shared with extended family memories. From left: Kristen, 8; Grandma and Grandpa DeSiegherdt; Katie, 5; Sue and Rick Creveling.

For creative recycling, Sue cut in half a lace tablecloth that got a hole in the middle but was still good around the edges and draped it along two of the fireplace mantels. She tied ribbons at intervals to scallop the cloth's edges. Greens, pinecones, Christmas balls and poinsettias are intertwined among the family photos on the mantels.

Each year, the Crevelings give three gifts that are symbolic of the three gifts the Christ child received. The three gifts include something the child needs, something the child requested, and a surprise.

Drop-in guests are welcomed by this festive table setting. Kristen enjoys serving guests cranberry bread that is easily sliced when using the wooden slotted bread-holder.

The Crevelings take a whole night to decorate their tree while holiday music fills the house. They use mostly handmade ornaments or those given by friends.

"We don't use credit cards; we pay cash," the Crevelings said. "Our focus is not materialistic, but symbolic of the real reason to celebrate Christmas — the birth of Jesus," Sue said.

One year, a family member wrote scripture verses in calligraphy and rolled the messages like a scroll and placed them by each plate. Each guest read aloud the verse by his or her plate.

On Christmas Day, the Crevelings read the Christmas story to their children.

Sue recalls that her dad always took pictures of his children, still dressed in the nightgowns, coming down the stairs on Christmas morning. Somewhat embarrassed by that during her teen years, Sue now finds it entertaining to review each year's celebration.

Rick and his two older brothers recall taking their stockings to their parents' bedroom on Christmas morning. His father would light the tree, and the children would open the presents. Invariably, their mother would ask, "Did you get what you wanted?"

Then his father would hurry to the garage to bring in one last gift for the boys to enjoy.

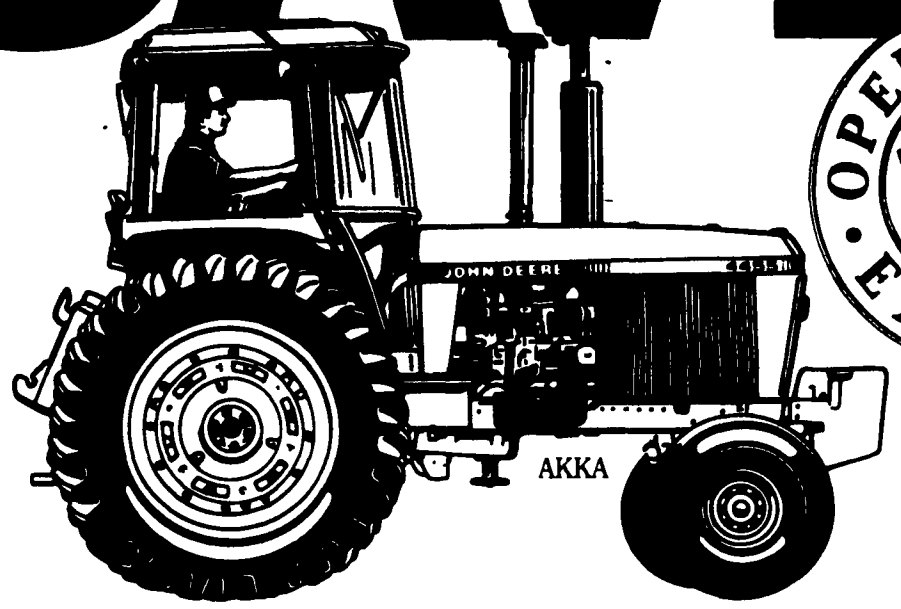
Like most families, the Crevelings find that holidays are even more special when extended family members share in the occasion. Each year, they alternate visiting between the two sets of grandparents.

The Crevelings and Sue's parents, Arthur and Alice

(Turn to Page B4)

Homestead Notes

SAVE!



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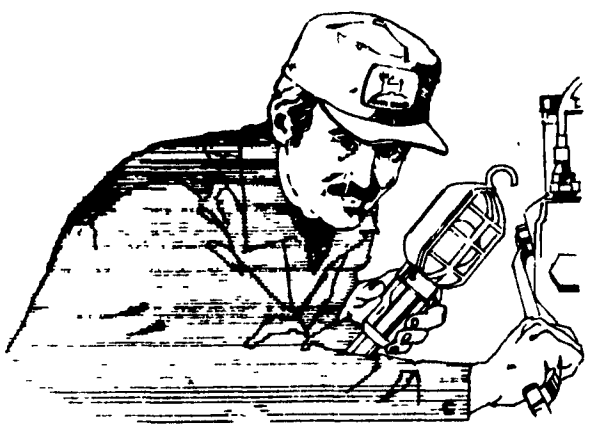

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Family Shares

The warm smiles of Kristen, 8, and Katie, 5, are as welcoming as the cranberry drink, holiday cookies, and candles that they are eager to serve to guests.

(Continued from Page B2)

DeSiegherdt, originally come from New Jersey.

Arthur was raised on a dairy farm. Although he couldn't afford his own farm, he raised his family near to his homestead so that his children could enjoy helping their grandparents on the farm.

Sue said, "I have happy memories of gathering eggs, but I did not like weeding."

When Sue was 14, she read an article about farm vacations. She insisted that was the only gift she wanted for her birthday. After a week at Swa-Nee Acres farm in Dauphin County, Sue returned several times a year for visits. Her dream was to marry a farmer. Instead, she married a postman.

They were distressed that the Cherry Hill, New Jersey area became so heavily populated. Sue and Rich made many trips to Lancaster County. In 1988, Rich transferred from New Jersey to Lancaster.

"The switch is delightful," Sue said. "We find the people friendly and generous."

"Even manure smells better than diesel fuel," Rick said.

Although they don't live on a farm, the Crevelings enjoy living near several and reading about them in Lancaster Farming.

Video On Teenage Stress

HONESDALE (Wayne Co.) — "Has Anybody Seen Phil" is the title of a new video available at the Wayne County Cooperative Extension Office. This 30 minute video is concerned with teen-age stress - how to recognize it, how parents and teachers may be contributing toward it and how to effectively deal with it.

Videos are available for loan from the extension office for one week, free of charge. A deposit of $5 is required, which is refunded when the tape is returned in a week. If tape is not returned when due, an assessment of $1 per day is charged.

The extension office is located in the basement of the Wayne County Courthouse, 925 Court Street, Honesdale, PA.

Last Chance To Enter 'Dairy Fun Night'

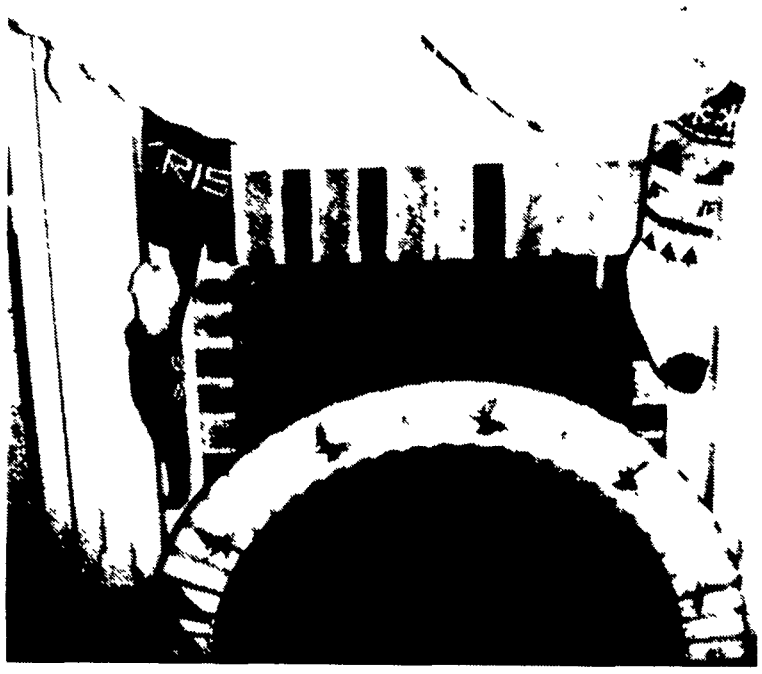
HARRISBURG (Dauphin Co.) — Pennsylvania residents have until December 21, to enter contests in the first every "Dairy Fun Night" at the 75th Pennsylvania State Farm Show. More than $700 in prizes will be on the line on Monday, January 7, 1991, as contestants compete in an "Ice Cream Churn-Off" and "Calf Dressing Conetst."

The contests are open to all Pennsylvania residents except those who have professional food status or are affiliated with the Pennsylvania Dairy Promotion Program. To enter the churn-off, contestants should print their name, address, and telephone number on an 8½ "x11" piece of paper. Then, attach a complete copy of their recipe. The first eight entries received will be selected to compete in the contest.

To enter the calf dressing contest, contestants should print the team members names, and list a contact address, telephone number, and category on an 8½ "x11" piece of paper. The first four entries in two categories, famous personalities and historical people, will be eligible to compete in the contest.

All entries should be mailed to: "Dairy Fun Night," Pennsylvania Dairy Promotion Program, 2301 North Cameron Street, Harrisburg, PA 17110-9408. Entries must be received in the PDPP office by December 21. Offer is limited to one entry per family, 4-H club, FFA chapter, or other organization. The complete entry rules can be obtained by sending a self-addressed and stamped envelope to the Pennsylvania Dairy Promotion Program.

"Dairy Fun Night," sponsored by the Pennsylvania Dairy Promotion Program and Pennsylvania Department of Agriculture, will also include a celebrity cow milking contest, a dairy jeopardy contest, and the construction of a giant banana split. For more information, contact (717) 787-6903.



With four fireplaces in the house, Sue has fun decorating the mantels for Christmas. Here she used part of a lace tablecloth that had been damaged. She used greens and fruits interspersed among family pictures to give a holiday flavor. The horn decoration was made by Bob Brinser.

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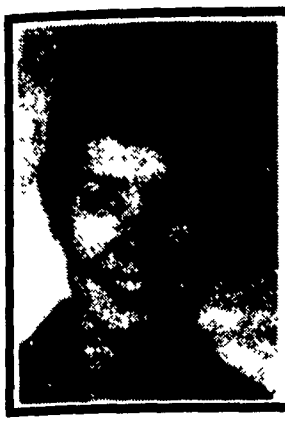

MICROWAVE MINUTES

By JOYCE BATTCHER

If you're like most cooks, you'll probably make a batch of homemade candy for gift giving or holiday parties. And, if you learn to use your microwave for candy making, you'll save precious minutes during this busy time.

Microwaving candy means faster cooking. It's also much easier and more convenient than stovetop cooking. There's no need to stir or watch candy constantly during cooking. Stir once to dissolve the sugar after a few minutes of cooking for most old-fashioned cooked candies. Watch closely for the last minute or two to check for doneness. However, you should watch closely during cooking when you try a new receipe, and you'll need to stir more often when making caramels.

Your microwave is fast and convenient for melting caramels or chocolate, too. The most important thing to remember here is not to microwave too long. The caramels or chocolate won't look melted after a minute or so of microwaving. Stop and stir them and then alternate microwaving and stirring until you can stir them smooth. Towards the end, stir more than microwave. For example, when you stir chocolate chips and they are mostly melted but a few lumps of chocolate still remain, it's better to stir until they smooth out, rather than microwave longer.

Clean-up with any kind of microwave candy making is also quick and convenient. After you're finished cooking the candy or melting ingredients, fill the cooking bowl with hot water and cover with plastic wrap. (If you've used a microwave candy thermometer, clip it on the bowl with the tip in the water.) Microwave on High until boiling. Then let it stand, still covered, for a few minutes while the steam melts the candy. Wash in sudsy water and you're all set to make another batch.

Cooking perfect candy in your microwave is much like cooking perfect candy on a conventional range. It's important to follow directions and cook the candy to the right doneness. Candy is cooked to the same doneness in the microwave as when it's cooked on the range. (Read a reliable conventional cookbook to brush up on candy-making basics.)

In conventional candy making, use of a candy thermometer is important. The old cold-water test is an unreliable way to judge doneness. In microwave candy making, a special microwave candy thermometer is important for convenience and the most accuracy. (Look for one in hardware stores and large supermarkets.) A regular candy thermometer can't be left in candy during microwaving. A temperature probe doesn't register high enough for candy making.

Start microwaving Peanut Butter Chocolate Fudge and other old-fashioned cooked candy in a large enough deep bowl to prevent boil-overs. Cover with plastic wrap until the candy boils. The tight cover holds in steam, which washes sugar crystals off the container sides and helps prevent sugary candy. (Leave top of microwave candy thermometer sticking out of plastic wrap so thermometer stays cool enough to handle.)

After candy boils, stir well until you see and hear that the sugar is dissolved. Continue microwaving, uncovered, until candy reaches correct temperature. If the mixture starts to boil over, quickly open the door and switch to a lower power setting. Closely watch caramel, fudge and other candies that contain milk or cream.

Usually no cooking time is given in conventional candy recipes. In microwave recipes time is given, but don't go by time alone. Time simply is not accurate. Your microwave may cook faster or slower, or your ingredients may be at a different starting temperature than those used when testing the recipe. Candy is done when it reaches the temperature given in a recipe.

Both of today's recipes are for fudge. Peanut Butter Chocolate Fudge is an example of a cooked candy, while Snickers Fudge is more of what I call a "melt and stir" candy. Both are very easy and convenient to make. I hope you enjoy making and tasting these fudge recipes as much as I do.

Peanut Butter Chocolate Fudge

2 cups granulated sugar
½ cup milk
¼ cup butter
½ cup peanut butter
1½ teaspoons vanilla extract
1 cup miniature marshmallows
½ cup chopped peanuts (optional)
½ cup semi-sweet chocolate chips

Combine sugar, milk and butter in a microwavable deep 2½ - to 3-quart bowl or 2-quart measure. Cover with plastic wrap. Microwave (High), covered, 4 minutes. Stir well to dissolve sugar. Microwave (High), uncovered, 4 to 5 minutes. Start checking for doneness after 4 minutes. Candy is done when thermometer registers 235° F (soft ball stage). Immediately stir in remaining ingredients. Pour into buttered 8x4-inch loaf dish. Cool. Cut into squares before serving. Makes 1¾ pounds.

Hint: For best flavor and creaminess, allow this (and other fudges) to "ripen" at least one day before serving. To keep fudge soft and creamy, store it uncut in an airtight container in a cool place, refrigerator or freezer.

Easy Snickers Fudge

½ cup butter
⅓ cup unsweetened cocoa
¼ cup firmly packed brown sugar
¼ cup milk
1 box (1 pound, 3½ cups) powdered sugar
1 teaspoon vanilla
24 caramels
1 tablespoon water
2 cups dry or regular roast peanuts (salt-free or salted)
½ cup semi-sweet chocolate chips
½ cup milk chocolate chips

Prepare a 9x9-inch pan by cutting 2 sheets of waxed paper, each 9 inches long. Place sheets on top of each other in pan. (Edges should extend above pan on 2 sides.)

Melt butter in a microwavable 2-quart measure or casserole; gradually stir in cocoa, brown sugar and milk. Microwave (High) 2 to 2½ minutes or until at a rolling boil, stirring once toward end of cooking. Stir in powdered sugar and vanilla; do not beat. Pour into prepared pan.

Place caramels and water in a microwavable 1-quart bowl. Microwave on Medium (50 percent power, 325-350 watts) 2 to 2½ minutes. Stir until melted; stir in peanuts and immediately pour over fudge layer. Set aside.

Place chocolate chips in a microwavable 2- to 4-cup measure or bowl. Microwave on Medium (50 percent power, 325-350 watts) 2 to 2½ minutes. Stir until melted. Spread over caramel layer. Keep refrigerated. Before serving, loosen waxed paper from pan and lift fudge out. Cut into squares. Makes 49 squares or 2 pounds.

Hint: If your microwave only has High power (100 percent, 650 to 700 watts), use less time and more stirring to melt caramels and chocolate. Microwave on High for 1 minute; stir and then alternate microwaving for 30 seconds and stirring until caramel or chips are completely melted after stirring.

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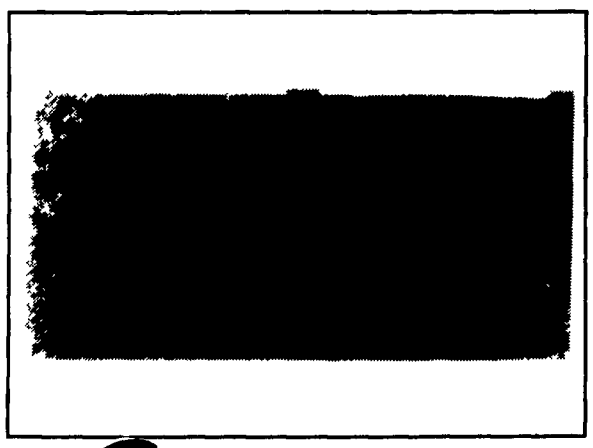

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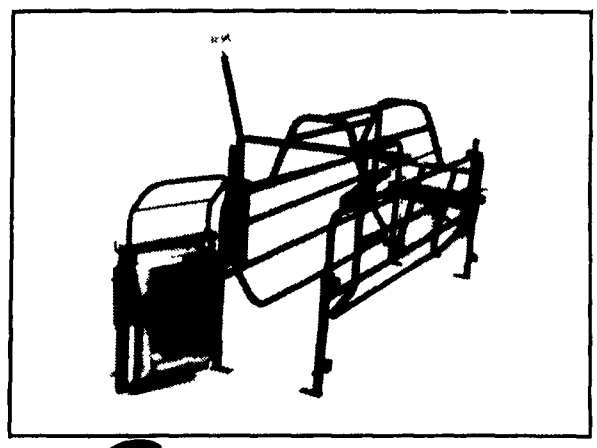

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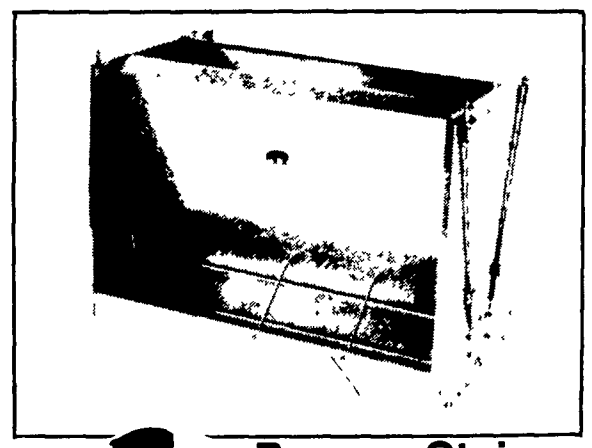

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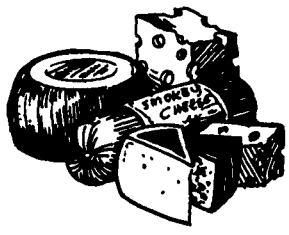
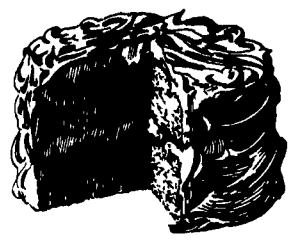


Home On The Range



Gifts From Your Kitchen

In this happy season, homemade food gifts offer a pleasurable and practical answer to getting a grip on holiday gift-giving.

The secret is a strategy that produces delicious homemade gifts in a minimal amount of time.

Make these recipes early in the season, if you like.

KIWI FRUIT JELLIES

2 pounds kiwi, peeled and chopped
Juice of 1 lemon
1 cup sugar

Puree kiwi, juice, and sugar in food processor. Line 8x10-inch pan with wax or parchment paper. Pass the liquid through a food mill or fine strainer. Pour into large saucepan. Add 2 cups sugar, bring to a boil, stirring constantly. Boil 3 minutes. Add 2 tablespoons unsalted butter, still stirring 3 more minutes. Remove from heat. Stir in 1 cup liquid pectin. Pour into prepared pan and pectin. Pour into prepared pan and allow to set overnight in cool place. Cut into pretty diamonds and roll in superfine sugar. Store in cool place in airtight cans with wax paper between layers. Keeps one week. Makes 2 pounds.

Donna Lencoski
Latrobe

SNACK MIX

½ cup butter
¼ cup soy sauce
1 teaspoon seasoned salt
1 cup blanched whole almonds
3 cups bite-size crispy rice squares
1 pound salted cocktail peanuts
1 cup golden raisins
1 3-ounce can chow mein noodles
¼ cup sesame seed
3½ -ounces flaked coconut

Preheat oven to 350 degrees. Heat butter, soy sauce, and seasoned salt in large skillet over low heat until butter is melted. Stir in almonds. Cook, stirring constantly, 5 minutes. Stir in cereal, peanuts, raisins, noodles, and sesame seed. Cook, stirring constantly, until noodles begin to brown, about 10 minutes. Stir in coconut. Spread half of the mixture in a 15x10-inch jelly roll pan. Bake 10 minutes. Cool on paper toweling. Repeat with remaining mixture. Store in airtight container at room temperature until ready to package as gifts. Will keep up to one month.

LEMON CURD

1 cup sugar
¼ cup butter, chopped
Grated peel of 2 lemons
Juice of 3 lemons
3 eggs, beaten

In double boiler, combine all except eggs. Cook over low heat until butter melts. Stir in eggs, but don't allow to boil as eggs will curdle. Stir over heat until thickened. Pour into sterile jars, refrigerate. Use as a filling in tart shells or as a spread on muffins. Makes 1 pint.

Donna Lencoski
Latrobe

CHOCOLATE TRUFFLES

1½ cups whipping cream
1 pound semi-sweet chocolate, broken in pieces
½ cup unsalted butter
1 cup sifted confectioners' sugar
½ teaspoon orange extract
Cocoa

Place whipping cream in 3-quart heavy saucepan. Heat until cream just begins to boil, stirring frequently. Remove from heat. Stir in chocolate and butter until melted. Stir in sugar. Cool to lukewarm; stir in orange extract. Refrigerate, covered, 2 hours. To form, shape approximately 1 tablespoon into ball. Work with half of mixture at a time. Keep remaining half refrigerated. Dust hands lightly with cocoa while shaping, repeat as needed. Roll ball into cocoa. Store in covered container in refrigerator until ready to package as gifts. Will keep up to 3 weeks.

PISTACHIO FUDGE TARTS

2 eggs, beaten
⅔ cup light corn syrup
⅓ cup sugar
3 tablespoons butter, melted
1 teaspoon vanilla
Dash salt
½ cup semi-sweet chocolate morsels, melted
1 cup pistachios, coarsely chopped
Pastry for single crust 9-inch pie

Cut pastry into 4 (6-inch) circles; fit circles into 4-inch tart pans. Combine all ingredients except semi-sweet chocolate and pistachios; stir in chocolate then ¾ cup pistachios. Pour into pastry shells; sprinkle with remaining pistachios. Bake at 375 degrees for 25 to 35 minutes or until center is set. Cool on wire rack. Makes 4 (4-inch) tarts.

Chocolate truffles, cranberry nut coffee cake, tarragon cream dressing, raspberry butter, and Swiss-bacon spread are gifts to present with pride.

CANNED APPLESAUCE CAKE

¾ cup shortening
3⅓ cups sugar
4 large eggs
2 cups applesauce
1½ cups raisins, optional
¾ cup chopped nuts, optional
3⅓ cups flour
½ teaspoon baking powder
2 teaspoons baking soda
1½ teaspoons salt
1 teaspoon cinnamon
1 teaspoon cloves

Cream shortening with sugar. Beat in eggs and applesauce. Sift together flour, baking powder, soda, salt, and spices. Blend into applesauce mixture. Add and mix chopped nuts and raisins, if desired.

Fill nine, clean, greased wide-mouth jars half full with prepared batter. Bake open jars about 45 minutes in an oven at 325 degrees. When done, quickly remove one hot jar at a time and clean its sealing edge. Immediately apply and firmly tighten a two-piece, wide mouth canning lid. The lid will form a vacuum seal as the jar cools.

Jars of cooled cake may be stored with other canned foods or placed in a freezer. The cake is safe to eat as long as jars remain vacuum sealed. These cakes make attractive gifts. The cake is delicious and provides a conversation piece.

Pat Greene, Biglerville
Norma Miller, Spring Mills
Sandy Merwine, Ashland

CHEESE LOG

Soften and mix with mixer:
1 pound Velveeta cheese
8 ounces cream cheese
Add:
½ teaspoon garlic salt

Form into log or ball. Sprinkle with paprika.

Janice Lehman
Myerstown

HERB BUTTERS

Basil:
½ cup butter softened
8 to 10 fresh basil leaves, minced
Mixed:
1 cup butter, softened
1 teaspoon each finely minced parsley, sage, oregano, rosemary
Garlic:
½ cup butter
4 cloves garlic, crushed
½ teaspoon white pepper
2 tablespoons finely chopped parsley

Mix all butters. Roll into cylinders with wax paper and refrigerate until firm. You can also roll into small balls or put into molds.

Donna Lencoski
Latrobe

(Turn to Page B8)

Recipe Topics

If you have recipes for the topics listed below, please share them with us. We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit. Send your recipes to Lou Ann Good, Lancaster Farming, P.O. Box 609, Ephrata, PA 17522. Recipes should reach our office one week before publishing date.

December	**22-**	Cooking For The Holidays
	29-	Friendship Dough Recipes
January	**5-**	Celebrate Beef Month
	12-	Warm Up With Soup

Featured Recipe

Pennsylvania Lamb and Wool Queen Arlisa Snavely is convinced that those who taste lamb, will love it.

She said, "I meet a lot of people who have never tasted lamb. When they do, they are surprised how good it tastes."

The Lancaster County teen, raises registered Shropshire sheep and has won numerous top awards at farm shows and Keystone International Livestock Exposition. For many years, she has enjoyed watching the queen coronation and is delighted to assume responsibilities to promote lamb and wool.

She promotes wool by wearing it and by participating in several lead line competitions. To read more about this well-qualified sheep spokesperson, look for a feature on her in this section. And don't forget to try this recipe, one of Arlisa's favorites.

LAMB BALLS WITH SOUR CREAM

1½ pounds ground lamb
½ cup onion, chopped
1 clove garlic, minced
½ cup bread crumbs
1 egg, beaten
2 tablespoons parsley
¼ teaspoon thyme
2 tablespoons dill
½ teaspoon lemon juice

Mix meat and other ingredients. Roll into balls. Saute meat balls until lightly browned. Remove from pan and pour off excess fat.

Sauce:
1½ tablespoons butter
½ cup onion, chopped
1 tablespoon paprika, optional
½ teaspoon thyme
1 cup chicken broth
2 tablespoons cornstarch dissolved in 2 tablespoons water
1 cup sour cream
2 tablespoons dill, chopped
Salt and pepper to taste

Saute onion in ½ tablespoon butter. Add paprika and thyme; bring mixture to a boil and add chicken broth. Bring to a boil again and thicken slightly with cornstarch and water mixture.

Add meatballs, sour cream, dill, and salt and pepper. Heat but do not boil. Serve on rice.

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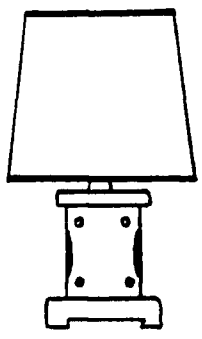

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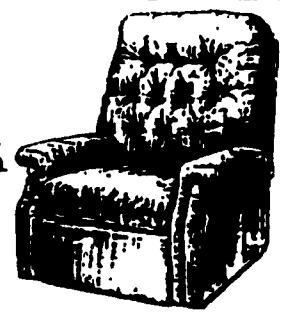

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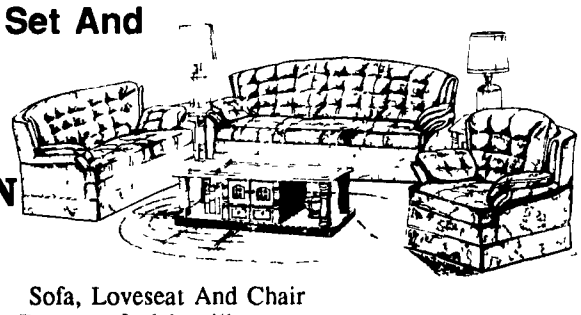

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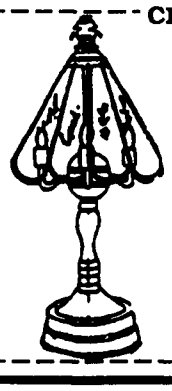

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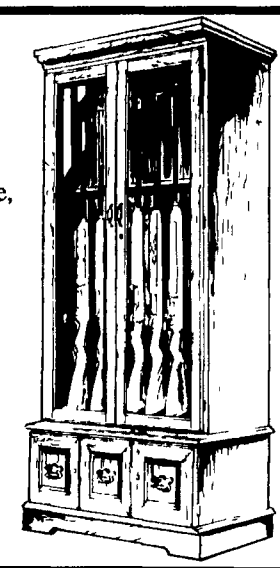

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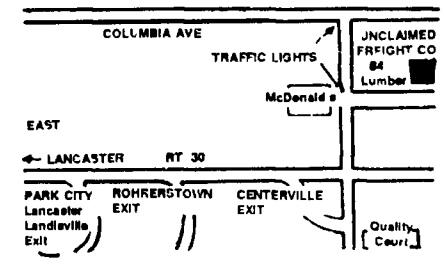

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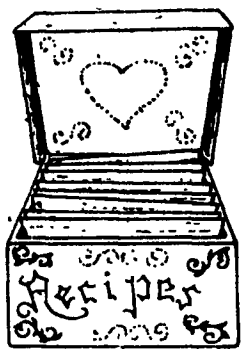

Cook's Question Corner

If you are looking for a recipe but can't find it, send your recipe request to Cook's Question Corner, in care of Lancaster Farming, P.O. Box 609, Ephrata, PA 17522. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.

Answers to recipe requests should be sent to the same address.

Readers, when sending in recipes, please write your measurements as accurate as possible. We do not have the time and equipment to test your recipes. Sometimes, we receive many answers to one question, and we cannot print all the replies.

QUESTION — A Bird-in-Hand reader requested a recipe for broccoli soup to can. According to a Lititz reader, the one that was printed in the August 18 issue can be frozen, but is a flop if canned. Do any of our readers have one that can be canned?

QUESTION — Mrs. Ed Snyder, Manheim, asks for a recipe called Rebecca's Rolls.

QUESTION — Jean Aurand, New Bloomfield, would like a recipe for diabetic fudge.

QUESTION — Tracy Moyer, Reading, would like to know how to make cotton candy.

QUESTION — Myah Tielman, Lehighton, would like a recipe for a round loaf of rye bread similar to that which had been sold by Fritzinger's Bakery, Walnutport, which is now out of business.

QUESTION — Dianne from Halifax requests a recipe for yogurt coating used on pretzels, peanuts, and raisins.

QUESTION — Lonnie Tuttle, Bainbridge, NY, would like recipes for cheese made from sheep's milk.

QUESTION — Betty from Pennsylvania would like a bologna recipe for venison that tastes like Seltzer's Lebanon Bologna.

QUESTION — Mrs. Hugh Hovermale, Whitacre, Vir., would like recipes for low sugar candy.

QUESTION — Gladys Leatherwood, Mullica Hill, N.J., would like a recipe for Yankee Bean Soup.

QUESTION — Mary Gardner, Newburg, would like recipes for pasties, which is a combination of vegetables with a dough wrapped around it. In Minnesota and Michigan, restaurants serve them plain or with gravy.

QUESTION — Mrs. Warren Pifer, Reynoldsville, would like the complete recipe for Russian Torte that a reader from Canonsburg had sent to this column.

QUESTION — Nancy Bennett, Port Matilda, would like a recipe for an all butter coffee cake that tastes like those made by Sarah Lee.

ANSWER — Hoffman Brothers Farm requested a recipe for chocolate or vanilla or peanut butter fudge that isn't so sweet. Thanks to Deirdre Kirby of Hope, N.J. for sending a recipe. Deirdre suggested that recipe topics be listed four weeks in advance since people in her area receive the paper one week late. We will do this. Please check the recipe topics listed weekly on page B 6 and send in your recipes.

Sour Cream White Fudge

In a large heavy pot, combine:
- 2½ cups sugar
- ½ cup cultured sour cream
- ¼ cup milk
- 1 tablespoon light corn syrup
- ¼ teaspoon salt

Stir over medium heat until dissolved. When mixture begins to boil, cover and cook for 2 to 3 minutes, until the steam washes down crystals that may have formed on the sides of the pot.

Uncover. Reduce heat and cook without stirring to the soft ball stage at 234 degrees. Pour at once into an electric mixing bowl. Do not scrape pot. While mixture is cooling, float on top,
- 2 tablespoons butter
- 1 teaspoon vanilla

When cooled, about an hour later, beat until the mixture begins to lose its gloss. If desired, beat in ¾ cup broken nutmeats or ¼ cup finely cut dried apricots. Pour into buttered 8x8-inch pan. Cut into squares. Store tightly covered.

ANSWER — Jay Struble of State College requested the recipe for V8 tomato juice that had appeared in this column recently. Thanks to several readers for sending several recipes that have appeared in this column.

V-8 Tomato Juice
- 1 peck tomatoes
- 4 medium green peppers
- 4 onions
- 2 stalks celery
- 1½ cups sugar
- 2 tablespoons salt

Chop vegetables. Add water to partially cover. Cook until soft. Strain through a fruit press. Heat juice to boiling point. Add sugar and salt. Stir well to dissolve sugar. Pour into sterilized jars and seal. Delicious juice for tomato recipes.

Tomato Juice Cocktail
- 1 bushel tomatoes, cored and chunked
- 2 bunches celery including leaves, chopped
- 5 onions, chopped
- 5 medium peppers, chopped

Before cooking, mash the tomatoes with your hands to help get the juice started. Cook all vegetables together until celery is well cooked. Put contents through hand mill. Flavor as desired with about 5 to 6 tablespoons salt and 4 tablespoons sugar. Place strained juice in quart jars, seal and process in hot water bath for 30 minutes.

Tomato Juice Cocktail
- 2 pecks red ripe tomatoes
- 1 bunch celery with leaves
- 4 to 5 onions
- 3 to 4 peppers

Wash and trim spots from tomatoes. Trim off stems, do not peel, quarter tomatoes. Put in large kettle. Mash with hands to force pieces apart and make some juice for cooking. Wash celery and cut into smaller pieces. Chop onions and peppers in smaller pieces. Mix together. Cook until skin rolls from meat of tomato and other vegetables are soft. Put through a food mill. Reserve juice in separate containers. Flavor with salt and sugar to taste. Put in quart or pint jars. Place in hot water bath for 30 minutes. Yields approximately 10 quarts for 2 pecks.

ANSWER — Floyd Bortz had requested a recipe for apple butter made in a copper kettle. Marion Maulfair's recipe was printed. She said that instead of 3½ bushels of apples, it should have read 3 ½ -bushels of apples (which is really 1½ bushels).

Thanks to Shirley Nace, Richfield; Fern Freeman, Elliottsburg; and others for sending recipes for making apple butter made in a copper kettle.

Apple Butter
- 20 gallons fresh cider
- 2 bushels apples (Grimes Golden or Smokehouse)
- 20 or 25 pounds granulated sugar
- Ground cinnamon, if desired

The night before boiling the apple butter, peel, core and cut the apples in eighths. Early the next day (5 a.m.) clean copper kettle with salt and vinegar, wipe with a clean cloth and set level over the place where you built the fire. Put the cider in the kettle, and make fire. Cook the cider down to half volume. Wash the apples and begin putting them in with the cider. From this point, the mixture must be stirred constantly and fire must be regulated so the mixture does not boil over or foam. Add some real butter to stop foaming. Cold cider will also cool the mixture. Add all the apples and cook, stirring until smooth and it contains no bits of apple. Add whatever sugar suits your taste and cook until consistency desired.

To test, take a big spoonful out and put on flat plate. Cool, then run the tip of the spoon through the mixture. If the apple butter stays separated, it is finished cooking. Have jars warm. Fill jars. Wipe tops clean, and seal with lids. If you prefer spiced, add cinnamon to the mixture. Yields approximately 12 gallons.

Fern Freeman writes, "This is an all day job. We cook ours in a big stone fireplace in the cellar."

ANSWER — William Lucas Jr., of Warfordsburg, wanted to know how to roast chestnuts over an open fire or other methods of preparing them to eat. Thanks to a Lititz reader who wrote that chestnuts that are slashed or pricked and then put in a bag in a microwave oven for a few minutes become extremely easy to peel. If you wanted the roasted flavor, stick them in the oven after you peel them, roast for 10 minutes at 400 degrees or a few minutes under the broiler oven.

Legend has it that the first cheese was made accidentally by a shepherd carrying milk in a pouch made from a sheep's stomach. Rennet, an enzyme in the pouch, in combination with heat from the sun, caused milk to separate into a solid portion (curds) and liquid (whey).

Kitchen

(Continued from Page B6)

CHEESE BALLS

3 8-ounce packages cream cheese
15½ ounces cheddar cheese, spreadable
3 tablespoons vinegar
Garlic salt

Mix cream cheese, sharp cheese, vinegar, and garlic salt thoroughly. Cheese will be very soft and sticky. Mold into two balls and chill for one hour. Roll cheese ball in ground nuts. Remove from refrigerator 30 minutes before serving. Makes two large cheese balls.

Co. Dairy Princess

CRANBERRY NUT COFFEE CAKE

Cake:
½ cup chopped pecans
½ cup fresh cranberries, chopped
½ cup seedless raisins
1 tablespoon flour
¾ cup butter
¾ cup granulated sugar
¾ cup brown sugar
3 eggs
1½ teaspoons vanilla extract
3 cups all-purpose flour
1½ teaspoons baking powder
1½ teaspoons baking soda
1 teaspoon salt
¼ teaspoon cinnamon
¼ teaspoon nutmeg
1½ cups dairy sour cream

Glaze:
2 cups sifted confectioners' sugar
4 to 5 tablespoons light cream or half and half
½ teaspoon vanilla extract
Fresh whole cranberries
Pecan halves

Combine pecans, cranberries, raisins, and 1 tablespoon flour in a small mixing bowl; set aside. Preheat oven to 350 degrees. Cream butter, gradually beat in sugars until light and fluffy. Beat in eggs and vanilla. Combine 3 cups flour, baking powder, baking soda, salt and spices. Add dry ingredients, alternately with sour cream to creamed mixture, beginning and ending with dry ingredients. Stir in cranberry-nut mixture. Divide batter between 2 buttered and floured loaf pans. Bake 50 to 55 minutes, or until a wooden pick inserted in center comes out clean. Cool in pans 15 minutes. Remove from pans and cool completely on wire rack. For glaze, beat sugar, cream, and vanilla until smooth. Drizzle over top of cakes. Decorate with whole cranberries and pecans. Cake will keep about 3 days in refrigerator if tightly wrapped in plastic wrap or up to one month in freezer.

PUMPKIN BUTTER
- 12 cups pureed cooked pumpkin
- 6 cups brown sugar
- 1 tablespoon ginger
- 1 tablespoon ground cloves
- 2 tablespoons cinnamon

Combine all ingredients and cook until mixture is of thick spreading consistency. Pour into jars or small containers and freeze or process in pressure canner.

Anna Joyce Martin
East Earl

To make your own whipped butter, cream slightly softened chunks of butter at medium speed of an electric mixer until lighter in color and somewhat fluffy, about two minutes. Then turn the mixer to "whip" or "high" and whip for an additional three to four minutes

On being a farm wife - And other hazards

Joyce Bupp

The soft whispering of wind through the uppermost branches of the old trees is a comforting sound on this steep hillside.

High overhead, the greenery forms a sort of canopy, supported by straight, thick, brownish trunks. At ragged intervals, dead limbs and stubs of former limbs mark the trunks, which jut 40, 50, maybe more, feet toward the clear blue sky.

But beneath the canopy of soft green needles waving high above is the open, airy, cathedral-like atmosphere found only in a towering stand of mature evergreens. Decades of pine needle droppings mat into a dense, spongy carpeting, cushioning to the sole and quiet to the step. The very softness underfoot seems planned, so as not to disturb the tranquility of this quiet haven of nature.

A larger stand of pine, near the hunting camp, has long been one of my very favorite places. But the demands of a herd of milking cows - twice a day, EVERY day - prevents more than one, if lucky, perhaps two, visits to that pine stand in a year. This pine haven is closer, and though smaller, affords a similar feeling of peace and timelessness.

Scattered across the thick mat of needles is the fruit of these trees and the object of the search on this sunny, but crisp, December afternoon.

Pine cones. Hundreds of 'em, scattered at the feet of these old white pines. At the tip of every "petal" of each fresh cone is a dab of sticky, whitish sap. The gummy residue is wonderfully sweet-smelling, the very essence of pine scent.

For me, this piney aroma is the ultimate fragrance of the season.

In just minutes we gather a large bag of the cones. Their sap coats our hands with dark, sticky patches exuding the distinctive, Christmas-sy scent. Piled high in a few favorite baskets, they quietly fill the warm house with their signature perfume.

Soon, the sweet, sharp smell of cedar will blend with that of pine, from a tree always too large for the allotted spot. Together they blend into a fragrant holiday potpourri not found in any shop, essence of fresh evergreen.

Impossible to duplicate in any imitation form is a sort of seasonal aroma - that of citrus oil released by a freshly-peeled orange. When oranges were precious, rare taste-treats, they were a holiday gift highly-prized by a less sophisticated generation of children.

The Farmer peeled our first of the season's navel oranges while relaxing after milking one recent evening. Though he was in another room, the aroma of orange filled the air almost the instant he made the first tear into the fruit's tough peel.

How wonderful oranges must have smelled to children who only ever tasted them once a year - at Christmastime. Today - I know I'm guilty - we wheel past the ongoing, year-round display of citrus at the markets, forgetting how fortunate we are to have access to them year-round.

Ginger is a favorite seasonal kitchen aroma, conjuring up visions of raisin-eyed gingerbread men and cookie-baking session with flour-splotched kids rolling out dough. A scratch-n-sniff book our kids enjoyed when they were little had a patch supposedly smelling of ginger - but mostly more like peppered cardboard. It was always a letdown, never coming close to the real smell of Christmas gingerbread.

And, the scented votive candles flickering above our TV screen in recent evenings are labeled with names like hollyberry, bayberry and mint. Disappointment again. The strongest aroma they give off is from the wick smoke when they're extinguished.

Christmas is both season for the soul and for the senses. But when it comes to the fragrances of the holiday, no imitation products can begin to touch Mother Nature's own natural perfumes.

But Eau de Pine Sap probably wouldn't make it as a gift fragrance.

Dauphin Co. Extension Focuses On Family Programs

DAUPHIN (Dauphin Co.)—Penn State Cooperative Extension in Dauphin County held their 73rd annual meeting on Monday, December 3, at the Dauphin County Agriculture and Natural Resource Center. Guests were greeted by Tonya Scholl, the 1990 Dauphin County Dairy Princess, who served White Russian Milk Punch.

This year's theme was "Focusing on Families." Participants heard about the accomplishments and program focuses of the family living agents that serve Dauphin County, including the training of day care providers, training financial counselors, getting kids of all ages "fit," and resources for the caring for older family members.

The Expanded Food and Nutrition Education Program (EFNEP) reported on working with young families to provide nutrition education and help families budget for nutritious meals on a low income. A letter from one of the graduates of the EFNEP program was shared explaining how she had benefited from working with one of the nutrition advisors. She wrote that she is eating healthier and feeling better.

In keeping with the theme of focusing on families, Michelle Rodgers, assistant to the regional director presented, "The Future, As If Families Really Mattered." Michelle's discussion included the multiple definitions of family and what may be thought of as "traditional" has changed and will continue to change in the future. In addressing the future of families, Michelle's consensus was that the family will continue but as the composition changes so must extension's programming in order to meet the needs of families.

In addition to focusing on programs for families, special recognition was given to individuals in the "extension family." Paul Wangsness, regional director, presented awards to Michelle Rodgers for 10 years of service to Penn State Cooperative Extension and to Patricia Powley for 20 years of service. Patricia was in Chicago for the National 4-H Conference representing Epsilon Sigma Phi, Extension's Honor Society.

Special recognition was given to several volunteers as well. Ellen Brubaker was commended for serving six years on the executive board. Receiving plaques for outstanding leadership and support were: Dr. George Love from the 4-H program, Sue Loy from the family living program, and Howard Kopp from the agriculture program. Not only were these volunteers commended for their support to the extension program but their families were also thanked for supporting the volunteer efforts of these people.

Farm Women Societies

Berks Society 11

Farm Women Group #11 met at the home of Shirley Lentz for the December meeting. Election results from November are president, Judy Swope; vice president, Doris Brown; secretary, Jean Erb; and treasurer, Rose Hibshman. The Program Committee are as follows: Shirley Lentz, Jean Erb, Doris Brown, and Fran Dubble.

Family Christmas night for our group was finalized and to be held at Kimmerlings Grange. A family style dinner will be served by the grange and followed by games in the upstairs hall.

December 27th is the gift exchange night, to be held at Doris Brown's. At 6:30 the celebration begins, followed by lots of food, fun, and laughter.

The Program Committee will meet at the home of Fran Dubble, January 7, 1991.

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Kid's Korner

These Kids Like Snakes

LINDA WILLIAMS
Bedford Co. Correspondent

WILLIAMSBURG (Blair Co.)— Jackie and Ben Miller, ages 8 and 7, live on a small farm in a very old farm house near Williamsburg.

These two children consider themselves to be the very lucky owners of a variety of pets. They have several horses, an assortment of cats and dogs, some gerbils, and a parakeet.

And, if they tire of these animals, they visit their uncle and aunt, Howard and Chris Allison, who live in an apartment upstairs in the farm house.

The Allison children's aunt has a myna bird and their uncle has three snakes, a boa constrictor and two pythons.

Neither Jackie nor Ben are afraid of the snakes. In fact, they enjoy them. Both of them like to hold these reptiles which cause some people to be very frightened.

The snakes enjoy the warmth of the children and are actually very friendly toward them.

From Uncle Howard, the two children have learned a lot of interesting facts about snakes.

For instance, they eat only once a week and only when they are hungry. You can offer a snake food at other times and it will do nothing.

They eat small furry creatures and Howard feeds his snakes rats or mice. Since rats and mice are harmful to farm crops, the Millers have learned that the snakes can be very beneficial to farmers. If you have a pet snake, it is necessary to buy the rats or mice at a pet store which raises them for that purpose.

If the snake is hungry, it will kill the rodent very quickly and then eat it. While it is eating, its jaws are locked in a position so that it cannot move. Therefore, the snake could be attacked by its enemies.

For this reason, snakes prefer to eat in the dark. Howard keeps his snakes in glass cages on shelves covered with a drape. Sometimes, he has to pull the drape in order to get the snakes to eat.

Snakes have very delicate digestive systems and, if they do eat too much, they might become sick and die.

Like people or cats or dogs, snakes have individual personalities. Some of them seem to enjoy being handled while others don't like it.

Most of them live to be about 20 or 30 years of age.

The python and boa constrictor can bite but their bite is not poisonous.

Instead, this type of snake kills by wrapping itself around the victim. The snake would have to get quite large to kill a human.

Jackie and Ben are aware that there are other types of snakes that live in the woods around their country home that are dangerous. For instance, the copperhead or rattlesnake does have a poisonous bite and can kill you.

A garter snake or black snake is not poisonous and is helpful in keeping the rodent population down.

The Miller children also know it is important to know the difference between the two kinds of snakes and have been told not to touch any of them until they are very certain what kind it is.

Their father, Cy, or their mother, Darlene, will always be willing to help them define the differences.

Ben and Jackie Miller pet one of the snakes they enjoy learning about from their uncle, Howard Allison.

Ben relaxes with a python in his uncle's living room.

Readers Write

Hi,

My name is Ben Allgyer. I am 4 years old. I have 3 brothers and 1 sister: David, 11; Me, 9; Aaron, 6; Annie, 3; and Steven, 1.

My father's name is Samuel. My mother's name is Hannah. My dad likes to hunt deer. He shot a deer in his tree stand.

Dad is picking corn. My chores are to feed heifers and calves. I like to give the calves their milk. We like to ride horse. I like to play baseball and ping pong. I like to read Kid's Korner. Good by.

Ben Allgyer
Mill Hall

Dairy Trivia

The average cow produces 62 glasses of milk per day.

Man has been milking cows since 9,000 B.C.

By the year 2,000, the average farmer will feed 80 people.

The first cheese factory was opened in Rome, New York.

In the desert lands of Arabia, people get their milk from the Camel.

People who live in the high mountains of Central Asia get milk from Yaks.

During ancient times, butter was used as a medicine, an oil, a poultice, a wrinkle eraser and even money.

The first dairy cows arrived in the new world at Jamestown, in 1611.

Color This

Leave Some Milk For Santa!

Ida's Notebook

Ida Risser

My husband and I have just returned from a long day spent in New York City. We left home at 5:30 a.m. and returned at 10:30 p.m. It was very cold and windy as we walked to see the huge Norway Spruce tree in Rockefeller Center. It was brought from Connecticut and was covered with thousands of tiny lights. It was fun to watch the skaters at the rink at Rockefeller Plaza.

We spent quite a bit of time in stores such as Saks of Fifth Avenue. But we found prices to be very high. What I would call an ordinary dress was $300 to $500 and I even looked at one that was $5,250. It was interesting to browse through book stores but I only bought a children's book.

We had lunch at a small and informal restaurant on a lower level reached by use of an escalator. The lobbies of large buildings such as Time-Life, General Electric and N.B.C. offered a respite from the winter weather. They were warm and decorated with art and tropical plants.

The Christmas Spectacular at Radio City Music Hall starring the rockettes was the big reason for visiting the "Big Apple" at this season. The hour and a half show lived up to it's billing by being a real extravaganza. They included eleven separate scenes which ranged from "Charles Dicken's Christmas Carol" and "Parade of the Wooden Soldiers" to "Carol of the Bells in Winter Wonderland" and the "Living Nativity." In order to perform this scene, live animals are kept in the theatre. There were six sheep, two donkeys, one horse and three camels. There are a total of 350 colorful costumes in the show. There are 75 cast members, a large orchestra and two organists also.

The city is full of taxicabs, trucks and cars. Parking is very expensive at ten dollars per hour for off-street parking. Therefore many people either take a bus or a train to center city during the Christmas season.

Dagwood Ad Wins Again'

CHICAGO, IL. — The popular healthcare professional advertising campaign featuring comic strip sandwich-lover Dagwood Bumstead has won its second international advertising award, the Deli/Prepared Meats Committee of the National Live Stock and Meat Board announced today.

The advertisement has won a finalist award in the International Advertising Festival of London from a field of 4,500 entries from the United States, Canada, England, Japan and France. Eleven ads won finalist honors, including "Dagwood," according to the London International Advertising Awards Committee.

Earlier this year, the campaign won a finalist award in the International Advertising Festival of New York. It remains the most popular ad in the Journal of the American Dietetic Association in terms of most requests for additional information — an average of 220 per month.

The campaign, funded by pork, beef, lamb and veal checkoff dollars plus voluntary packer/processor investments to the Meat Board, helps dietitians encourage moderation in deli meat consumption instead of elimination.

Club Hosts Jump Clinic

COCHRANVILLE (Chester Co.) — Gum Tree 4-H Horse and Pony Club hosted a jump clinic on Sunday, November 25 at Helen Stearns, Justaplain Farm, Faggs Manor Road, Cochranville. Twenty-three students attended the clinic under the expert direction of Melvin Dutton, a well known trainer and judge. Dutton worked with small groups of 5 or 6 students each, working on equitation, flat and jumping techniques. Additional time was then spent with each student on an individual basis.

Gum Tree 4-H members attending were Karen Guerinna, Meagen Booker, Jessica Moore, Kara Sweeney, Cortney Singleton, Anna Denver, Melanie Myer, Jennifer Clavier, Moriah Nickerson, Ross Johnson, Michelle Cusick, Adrian Farrar, Christi Soctt, Robby Rausch, Beverly Crowl, and Valarie Freese. Others attending were Art Johnson, Dorothy Smith, Diane Rea, Chris Cusick, Jen Meccariello, Melissa Miller, and Denise Thompson.

Other events some Gum Tree 4-H members participated in at Justaplain Farm included a jump clinic with Mike Page on December 8 and 9. Also, they will be going to see a stallion presentation on February 2; this showing will feature many local pony, draft, and other stallions that will be shown in halter or under saddle.

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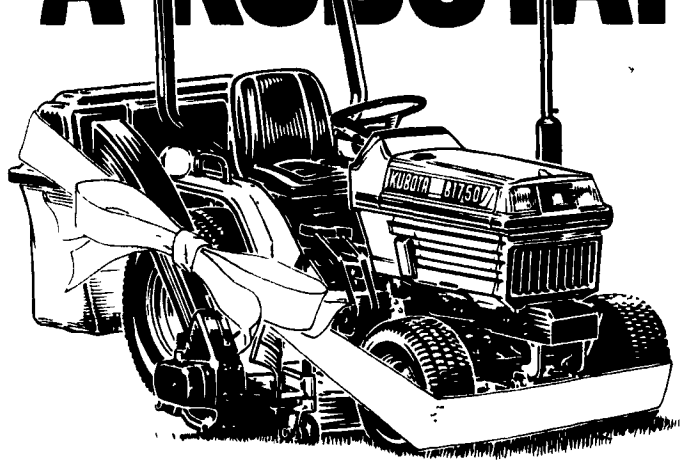

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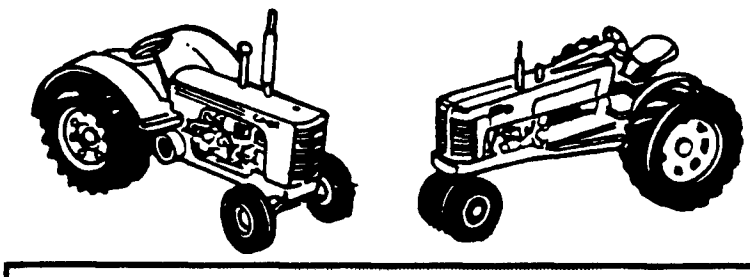

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Junior contestants in the Make-It-With-Wool contest included, from left: Amy Eshelman, Sinking Spring; Tara Yuhas, Seotrium; winner Christie Gallagher, Uniontown; Francis Shick, New Castle; and Jodell Ann Rhoads.

Contestants Find Wool: Beautiful To See, Touch, Sew, Wear

LOU ANN GOOD
Lancaster Farming Staff

LANCASTER (Lancaster Co.) — Sixteen competitors modeled the classy look of wool in the Make-It-With-Wool contest held December 8 at the Sheraton East, Lancaster.

Marie France Reyes topped the winners in all categories and will be sent on the all-expenses-paid trip to the national convention held at Long Beach, California, on January 17 to 20.

To win, a contestant must have more than a finely constructed garment, she must present an overall picture of the modern well dressed, versatile young woman. Her knowledge of fabric and design, the fit of the garment, as well as its suitability to her age and way of life must be displayed with commendable poise.

Reyes modeled a two-piece sateen wool outfit. This was her fourth year in the annual competition, and the second time that she advanced to national competition.

The Greensburg woman is a senior at Indiana University of Pennsylvania where she majors in fashion merchandising.

Reyes paid $40 a yard for the wool that she tailored from a Vogue pattern that she altered.

These two top winners in the Make-It-With-Wool state contest will travel to California in January to compete nationwide. Christie Gallagher, left, is the junior winner, and Marie France Reyes, left, is the senior winner.

Reyes attests to having a natural talent for fixing machines and sewing. She recalls that at 12 years of age, she found a broken sewing machine, fixed it, and taught herself to sew.

While in college, she alters dresses and formals for classmates.

"People seem intrigued by the things that I make. I think it is really sad that more people can't sew," she said.

Although Reyes will teach sewing skills to interested persons, she said, "If you don't have it (talent) in yourself, it is hard to teach a person."

After graduation, she plans to open a bridal shop with her father, Mike Reyes. Her mother is Pierrette.

Another top winner, Christie J. Gallagher of Uniontown, is also eligible to attend national competition. Christie placed first in the junior division with her 100% wool forest green skirt and a plaid vest with a black velveteen collar. The association hopes to raise enough money to send her; otherwise, she will need to pay her own travel expenses.

Those who compete nationally, must win at state competition after placing first in regional competition.

Tara Yuhas of Seotrium placed second in the junior division. Honorable mentions went to Amy Sue Eshelman, Sinking Spring; Jodell Ann Rhoads, Berlin; and Francis Shick, New Castle.

Other entries in the senior division included second-place winner Amber Dawn Sertkin of Three Springs; Lori Brandt of Manheim, and Anette Lovell of University Park.

In the adult division, Ruth Goddard of Hollsopple placed first with a wool plaid suit in lavendar, black, purple, rose, and aqua. Second place went to Katherine Grenci of New Castle, and honorable mention to Frances Tittle of Atglen.

Debbie Black of Boswell and Trisha Gallagher of Uniontown placed first and second respectively in the preteen division. Debbie

(Turn to Page B16)

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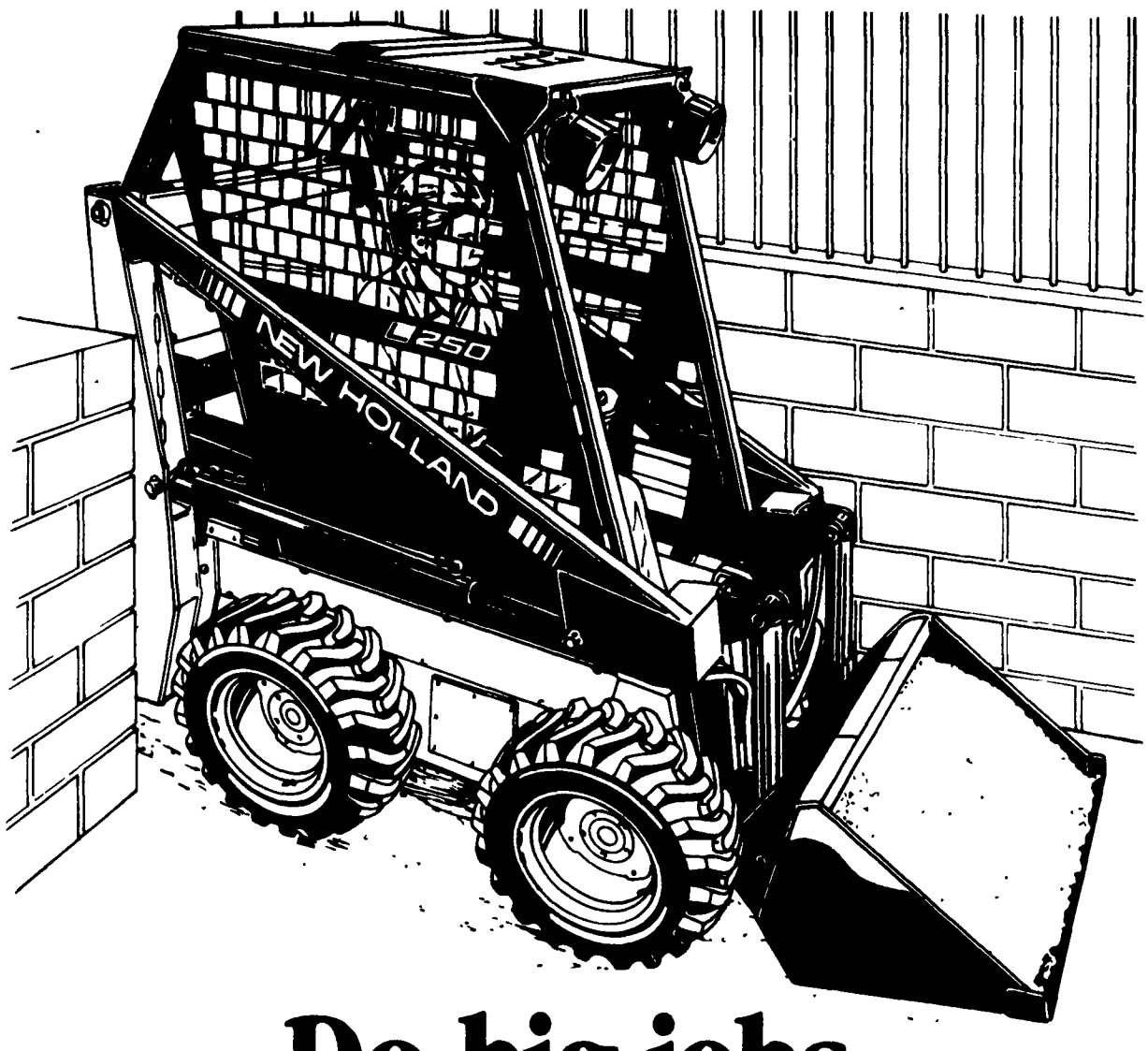

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Lancaster Farming Staff

LANCASTER (Lancaster Co.) — The biblical saying that it is more blessed to give than to receive, was evident at the Lancaster Farm and Home Center on December 6.

That's when extension workers held the annual holiday program for the Expanded Food Nutrition Education Program that teaches low-income homemakers to stretch food dollars and provide nutritious meals. The unique part of the EFNEP program is that those who complete the 12-lesson course, then teach others.

The participants are invited to the annual Christmas dinner where graduates show their skills by taking part in the program.

This year, three homemakers who had completed the program planned and cooked the meal, which had an ethnic touch. Anita Rhawn, Maria Camacho, and Beddy Otero prepared ham with raisin sauce as the traditional American dish; pidgeon peas, pork, and rice that is a Puerto Rican favorite; rice pudding, which is a favorite from the Dominican Republic; broccoli salad derived from the Pennsylvania Dutch; a sweet potato casserole from Williamsburg origin; and egg custard, a favorite dessert in Ecuador.

Margaret Myers, another graduate of the program, demonstrated holiday decorations and craft ideas.

"I like to make something out of nothing," she told the guests.

She showed the audience how to make a table centerpiece using greens and a candle.

"It you don't have Styrofoam to use as a flower holder, use a potato. It nourishes the greens and keeps them fresh," Margaret said.

She inserted long branches of greens at the bottom of the arrangement, and then built it up. In the top of the potato, she cut a hole to hold the candle.

She trimmed the greens with berries, bows and pinecones.

Myers also taught the women to make a woven Creative Twist basket for tree ornaments or favors and a miniature candy-covered Christmas tree.

In addition to the craft workshop, Deb Felax, home economist, gave tips for making clothes last longer through proper care.

Ada Gonzalez, a former student of the program who has gone on to become a nutrition education advisor, demonstrated making egg nog.

Extension home economist Doris Thomas emphasized safe holiday cooking. She warned homemakers of the dangers of food poisoning and instructed them, "When in doubt, throw it out."

According to Bert Ford, a nutritional advisor with the program for nine years, the extension tries to combine the fun of a Christmas party with learning.

"For some, this is the only Christmas party that they attend, and they like to dress up for it," said Ford.

The children are entertained and fed by a church volunteer group called Ladies in Fellowship Together, during the teaching sessions and the dinner. The children join their mothers for the appearance of Santa played by Grace Appel, a graduate of the program.

To the delight of the children, Santa enters ringing a bell while a pianist plays, "Here Comes Santa Claus."

Santa hands out gifts, cookies, candies, apples and oranges that have been donated by churches, individuals, and clubs.

Appel said, "I've been doing this for five years. I look forward to this every year. It's something that I can do to make others happy."

Of EFNEP, which helps 5,800 homemakers statewide, Carrie Ros of Ephrata said, "It's a wonderful program that has given me a lot of self worth."

Carrie has been part of the program for seven years. In the beginning, she felt as if she had no skills. Through the program, she learned to plan, budget, and cook nutritiously. But the thing that excites her most, is her gift for flower arranging that was inspired when she attended one of the EFNEP classes.

"I like doing things. I'm crafty," she said. Since the EFNEP instruction class, Carrie has done flower arrangements for numerous weddings.

"Before I couldn't talk to people. Now I teach others to do flowers and crafts. I help give back what I received."

Recent graduates of the nutrition program were awarded certificates. The graduates are Mary

(Turn to Page B15)

Ada Gonzalez, center, a York County EPNEP graduate, taught participants how to make holiday eggnog. With her are Ellie Brower, right, and Brenda Stallman, who received awards for working with the EPNEP program for 10 years.

Shane Eller, 5, was delighted to sit on Santa Claus's lap. Santa is really Grace Appel, a graduate of the EFNEP program. The tree was decorated with knitted mittens and caps for the children.

Margaret Myers, left, demonstrated holiday decorations and craft ideas. Myers completed the EFNEP program and is now an advisory board member.

The ethnic meal was prepared by (from left) Anita Rhawn, Maria Camacho, and Beddy Otero. The meal included American dishes ham with raisin sauce, broccoli salad, sweet potato casserole; a Puerto Rican dish of pidgeon peas, pork, and rice; a Dominican Republican dish of rice pudding, and an Ecuadoran dish of egg custard.

"It's tricky, but fun," agreed Maria Feliciano, center, and Luz Reyes, right, who made creative twist baskets during the EFNEP holiday program.

Have You Heard?

By Doris Thomas
Lancaster Extension Home Economist

Holiday Stain Removal Tips

In the excitement of the holidays there's bound to be a spilled liquid or a dripping candle that needs attention immediately. Check your basic stain removal kit. Do you have clean absorbent materials, a sponge, oxygen bleach such as Snowy or Chlorox II, chlorine bleach such as Chlorox or Purex, dry-cleaning fluid such as Carbona, enzyme presoak, white vinegar, rubbing alcohol and liquid detergent such as Wisk?

The key to stain removal is immediate treatment. When company is present and a spill occurs, use paper towels to absorb as much of the liquid as possible. Soak a sponge in cool water and use it to remove further traces of the spill. Later, you can get down to the business of final stain removal.

Test any stain remover on a corner of fabric first to see how it reacts. Treat spots from the back of the fabric. Place the spot down on paper towels so that the stain will come off the fabric instead of going through it. After treatment, regular laundering will usually remove the last traces of the stain.

Here are some special methods for treating the most common holiday stains.

Fruit stain, including cranberries - sponge immediately with cool water. Rub liquid detergent into stain, and rinse. Launder with detergent and bleach that is safe for fabric being treated.

Tea and coffee - soak in cold water. Rub in liquid detergent. Allow to stand for 10 minutes. Rinse. If greasy stain remains from cream or milk, sponge with dry cleaning fluid or apply prewash soil and stain remover.

Candle wax - rub with ice cube to harden. Scrape off excess with dull knife. Place stain between paper towel and press with a warm iron. Sponge with dry-cleaning fluid if necessary.

Alcoholic beverages - Sponge with cool water. If stain remains, soak 15 minutes in a solution of lukewarm water, detergent, and a small amount of white vinegar.

Gravy or meat juice - Use enzyme presoak as directed. Or, soak in cool water, rub liquid detergent into stain and rinse.

Ice cream - Rub detergent into stain. Rinse. Sponge with dry-cleaning fluid or apply a prewash soil-and-stain remover. If stain remains, add a few drops of household ammonia.

Soda - Treat as soon as possible. Sponge with cool water. If stain remains, sponge with a solution of lukewarm water, detergent, and a small amount of white vinegar.

Should Services Be Integrated?

UNIVERSITY PARK (Centre Co.) — "Social service systems are often too specialized for rural areas," says Dr. Allan Brawley, director of the Social Work Program at Penn State. "Frequently, the result is duplication of effort and waste of human and financial resources."

The Penn State Social Work Program has embarked on a new program titled "Human Service Delivery in Rural Counties of Pennsylvania: Barriers to Integration and Implications for Legislative Action."

The project directors, staff and Penn State students are helping an expert panel of county commissioners, social service agency directors and citizens study how rual counties in Pennsylvania provide social services to a range of families, children, the elderly and others.

The panel will then identify obstacles to effective service and will develop appropriate rural service delivery models.

"Existing systems of public and voluntary social services are rarely designed for rural settings," says Martinez-Brawley.

"For example, most social services are funded and targeted for specific problems such as child abuse or neglect, mental illness and homelessness. This causes a high degree of specialization, which is often inappropriate for rural areas and results in a fragmented, overlapping and frequently unmanageable system."

The typical social service delivery models ignore rather than capitalize on rural social relationships. No single worker or agency addresses the total and usually interwoven problems of the entire family or assumes overall responsibility for its welfare, according to Martinez-Brawley.

EFNEP

(Continued from Page B14)

Gonzalez, Maria Feliciano, and Krista Marrero.

Two out of the five full-time workers with EFNEP, Ellie Brower, nutritional advisor; and Brenda Stallman, unit coordinator; received 10 year pins for their work with the program.

Ford said, "We couldn't make this such a special time if the graduates, church groups and interested individuals didn't help with the program. It's so rewarding to see smiles on the faces of those who gave and on those who receive."

Those who donated time and gifts include John Martin's Meats, Inc., Weaver's Market, L.I.F.T. of Manheim, Arlene Frey, Ruhl's United Methodist Church, Farm Women Society 26, Helen Rohrer, Joan Hershey, Dottie Slote, Ephrata Area Social Services, and Brenda Stallman.

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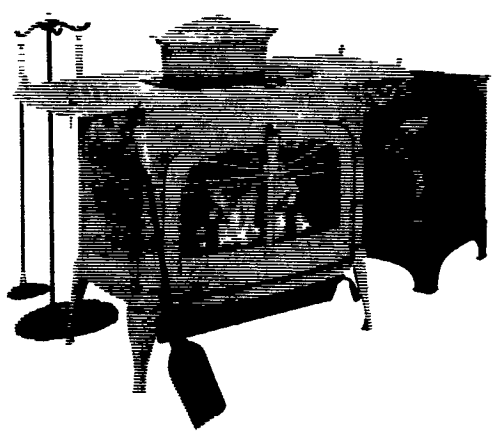

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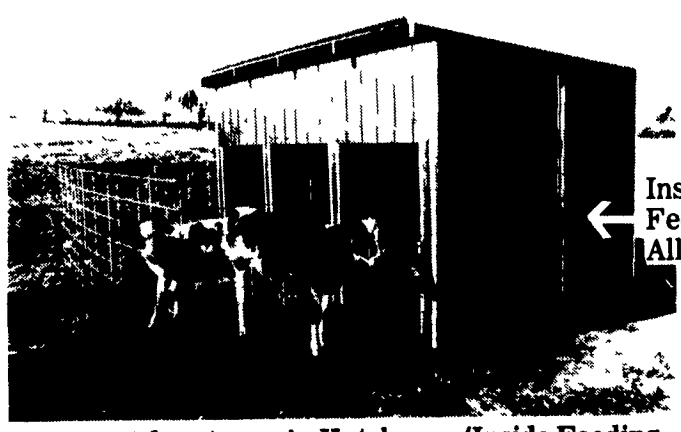

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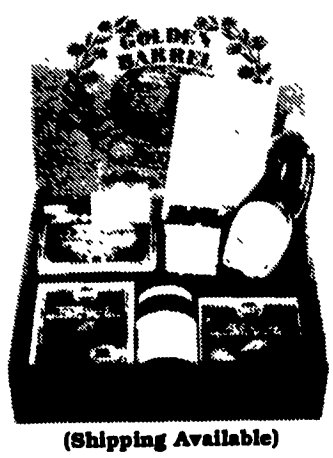

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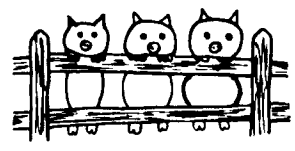

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Make-It-With-Wool

(Continued from Page B12)

stitched a gray wool skirt and knit a white vest. Stephanie Bowman, Lenhartsville; and Sarah Karger, Industry; received honorable mention.

The fashion show is a part of the annual three-day Keystone Shepherds' Symposium sponsored by Pennsylvania Sheep and Wool Growers Association, Penn State College of Agriculture, American Sheep Industry Association and Allied Industry. Numerous sewing companies donate items such as wool fabric and sewing accessories as prizes for the contestants.

Judges for the event were Marilyn Engle, home economist from Pennsylvania Furnace; Paula Ewalt, president of the Keystone Polypay Association; and Mary Alice Fyock, home economist from Lititz.

State directors for the annual contest are Janet Mawhinney of Waynesburg and Shirely Dunn of Chicora. Mawhinney said that the purpose of the contest is to promote wool. The outfits show the wide variety of textures and patterns available in wool fabrics.

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Senior division contestants included, from left, Suffolk Wool Queen Anette Lovell, University Park; Lori Brandt, Manheim; Amber Dawn Sertkin, Three Springs; and winner Marie France Reyes, Greensburg.

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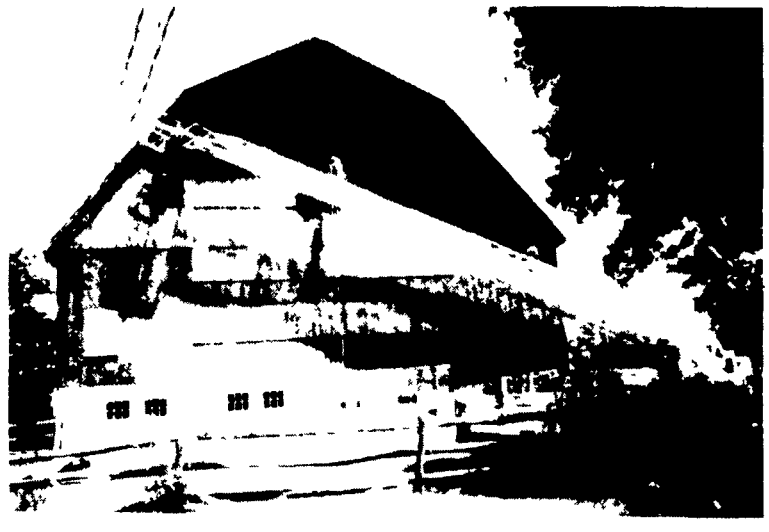

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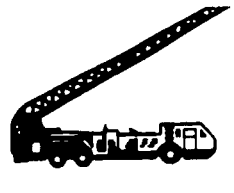

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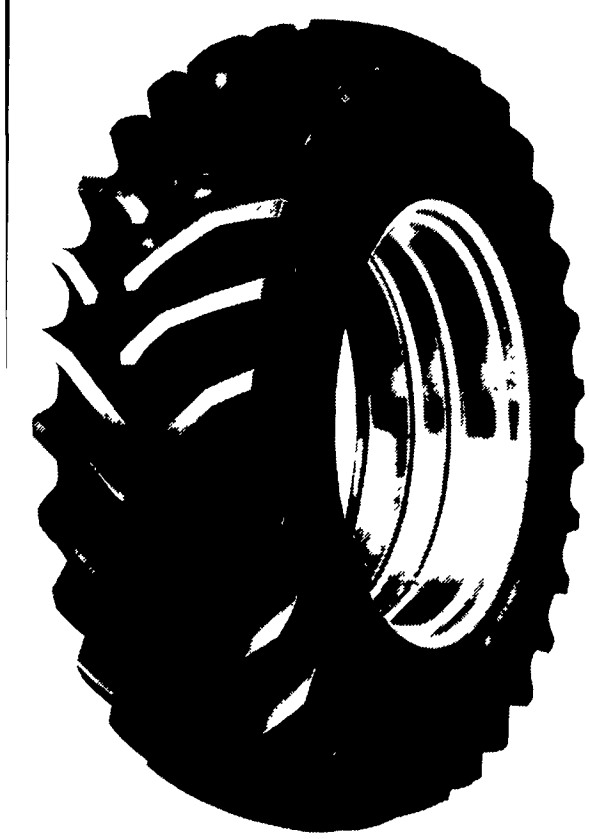

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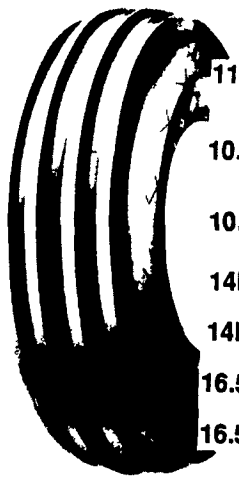

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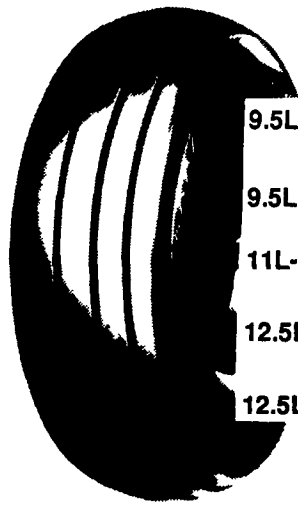

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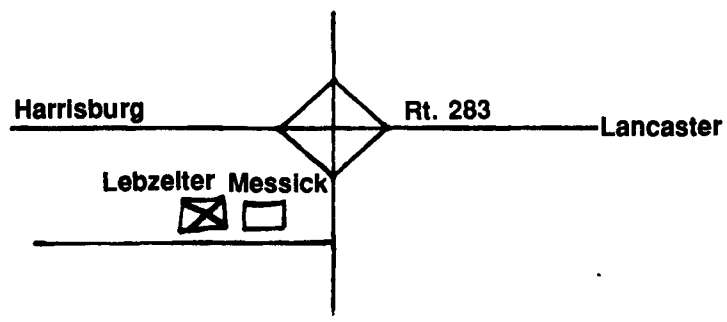

Clever Ways To Wrap Up The Holiday Season

EVA MARTIN
Maryland Correspondent

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Red and clear contact paper

Using the jar lid as a pattern, cut out 20 circles from the fronts of your old Christmas Cards. Cut a piece of red contact paper across the roll about 15-inches in width. Place the circles right side up on the sticky side of the contact paper- 5 across and 4 down. Place a 15-inch piece of clear contact paper on top with sticky side down. Cut around outer edge of outside row of circles to seal, making a scalloped effect.

Oliver and Ethel Petersheim from Cozytown, created their own version of this placemat. They surprised each of their children and grandchildren with a placemat of their own. By cutting circles out of their children and grandchildren's photographs, each had a history of their growing up years and important events in their life. The Petersheims also use these placemats for other guests who enjoy their hospitality. They bring back many memories and childhood stories.

Christmas Card Boxes

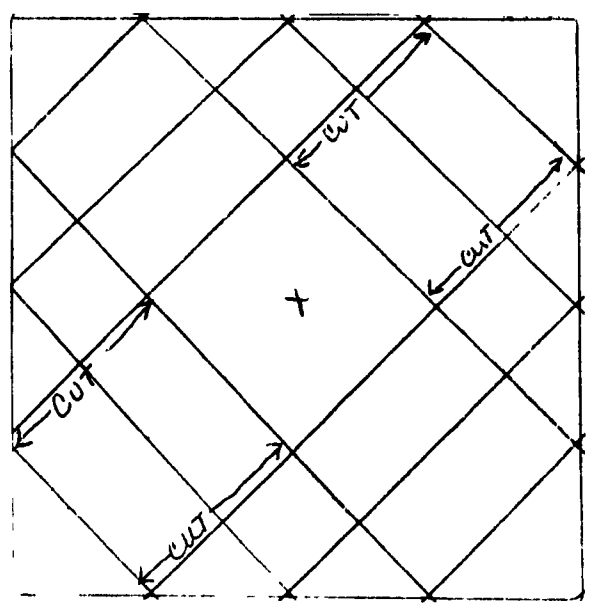
Materials Needed:
Old Christmas cards
Cardboard pattern square
1- 4¾ inches
1- 4½ inches

Place the 4¾ -inch square pattern on front of card. Draw around and cut out square. Use the 4½ inch square to cut out a square from back of the card to use as bottom of box.

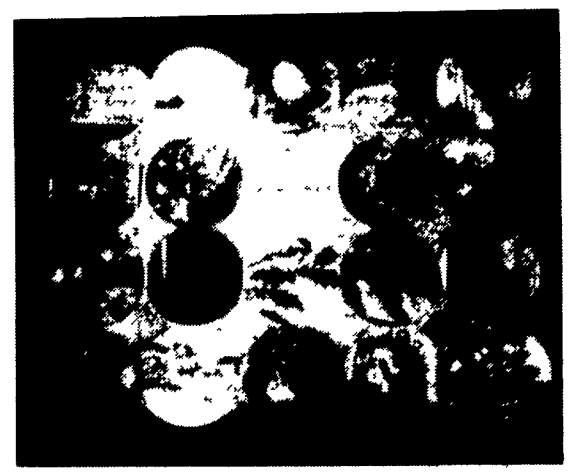
On wrong side place an x in the middle of your square. Fold all four corners into the middle, making a smaller square. Then fold two sides to the center. Unfold these two sides and fold the other two sides into the center. Unfold entire square and cut on fold lines marked in the illustration. Refold the uncut corners to the center forming a box. Fold over the cut corners to complete.

These delightful and colorful boxes can be filled with Christmas treats and kept in a basket for your children, grandchildren or holiday guests to enjoy.

Oliver and Ethel Petersheim made photo placemats of each grandchild's achievements throughout the years.



The unfolded square should look like this.



A good way to recycle old Christmas cards is to make a Christmas placemat.

4-H

Lebanon County Sheep 4-H Club

The Lebanon County Sheep 4-H Club held a meeting on Tuesday, December 4, 1990 in the new extension building. President Alice Smith conducted the meeting and a presentation on "Lambing, Breeds, and Wool" was given by Jamie C. Irwin.

An informative talk by special guest, veterinarian Julie Staver on "How to Select Sheep for a 4-H Project" and the lambing process and health factors involved was the highlight of the meeting. Staver is associated with the Willow Creek Animal Hospital.

Signups were held for the 1991 projects and Christmas ornaments were distributed by Linda Hetrick and Cathy Whittaker to the 4-H families that attended.

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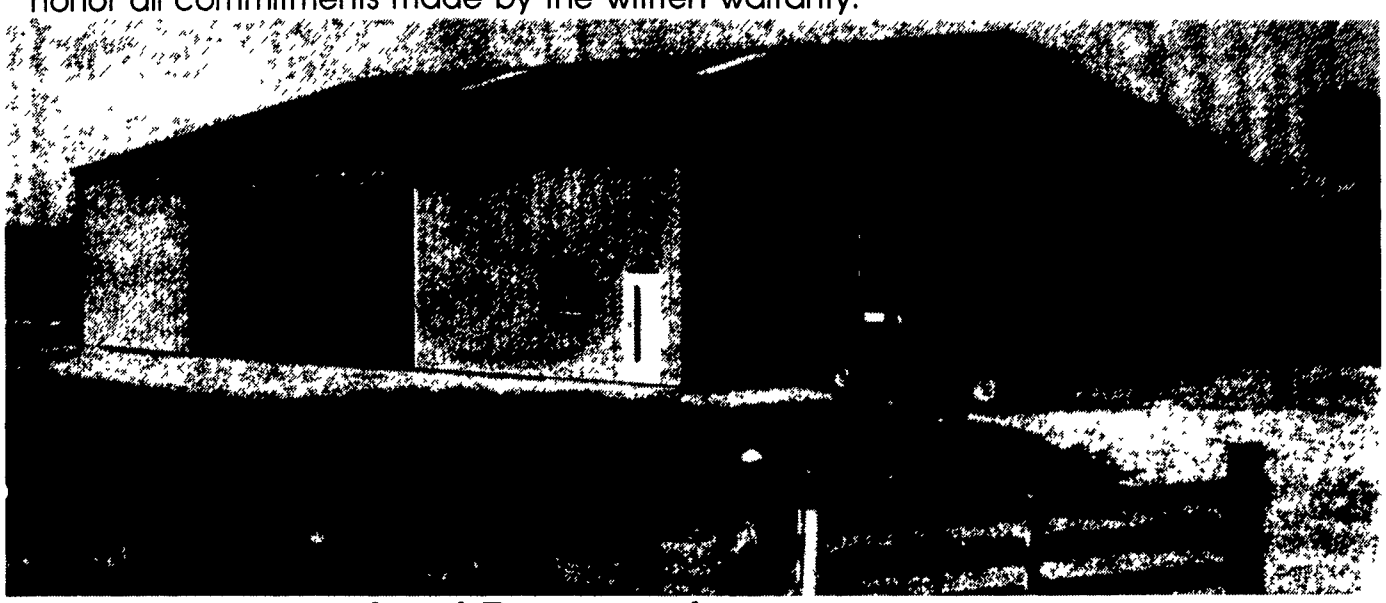

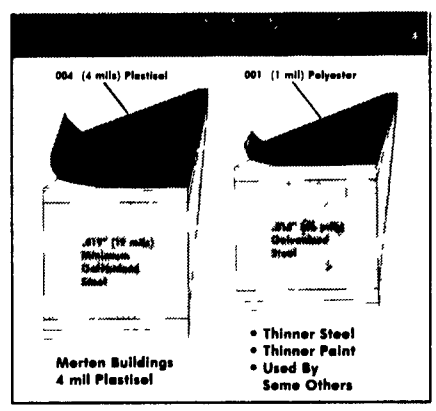

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Storage Tips For Sending Food Gifts

COLLEGE PARK, MD — As the holiday season approaches, food catalogs start showing up in mailboxes across America. Everything from smoked salmon to duck pate to chocolate truffles and hazelnut torte are advertised as the perfect Christmas or Hanukkah gift. But are they safe?

"Food items are popular holiday gifts," says Dr. Mark A. Kantor, a food and nutrition specialist with the University of Maryland System Cooperative Extension Service. "And, stored properly, they should present no food safety problems."

Some food gifts, for example, must be refrigerated, and bear a label to that effect.

"If a product is labeled 'Keep Refrigerated,' that's a warning that not all the bacteria have been inhibited or destroyed," Kantor explains. "Refrigeration is necessary to keep the food safe to eat."

Contrary to popular belief, smoking of meats such as turkey and hams doesn't eliminate the need for refrigeration. These items are smoked for flavor, not preservation.

Country hams are a different story. With their high salt content and dryness, they are safe at room temperature because bacteria can't grow on them.

Other gift foods — canned meats, vacuum-packed steaks, sausage and cheese assortments, for example — may or may not need refrigeration depending on how they were processed.

"Some canned meat products are heated to 250 F, just like vegetables and other canned goods," says Robert A. Savage, a food technologist with the Processed Products division of the U.S. Department of Agriculture (USDA). "This effectively sterilizes them so they are shelf-stable. But some canned hams receive only a mild heat treatment after canning and therefore are not commercially sterile. These hams must be refrigerated (before and after the can is opened)."

Vacuum packaging, while inhibiting the growth of spoilage bacteria, encourages other organisms like Clostridium botulinum that thrive in low-oxygen conditions. (Clostridium botulinum produces a toxin that can cause botulism, a sometimes fatal form of food poisoning.)

"Vacuum-packed steaks are as perishable as raw chicken and should be treated in the same way," says Savage.

Some sausages and cheeses in gift assortments don't need refrigeration. They are shelf-stable due to brining, drying and, sometimes, preservatives.

To help consumers store meat and dairy gifts safely, USDA has prepared the following chart.

Food Gifts: How to Store Them, How Long They'll Last.

Cans or Jars of Meat - Refrigerate if so labeled; otherwise shelf-stable 2-5 years. After opening, store in refrigerator up to a week.

Cheese, Processed or Hard - Safe at room temperature, but refrigeration prolongs quality. (Soft cheeses, such as brie, must be refrigerated at all times.)

"Cook-Before-Eating" Ham — Refrigerate up to 1 week. After cooking, refrigerate up to 5 days.

Country Ham - Shelf-stable 1 year if unsliced. Refrigerate 2 to 3 months if sliced. Once cooked, refrigerate 5-7 days.

Game Birds - Keep refrigerated up to 2 days raw or 4 days after cooking.

Sausage Labeled "Keep Refrigerated" — Store refrigerated up to 1 week.

Sausage, Hard/Dry — If unopened, can be kept in the cabinet 4-6 weeks, in the refrigerator 6 months. After opening, store up to 3 weeks in the refrigerator.

* FREEZER NOTE — Frozen food stays safe indefinitely but may lose quality and flavor. WARNING: Don't freeze canned food. Expanding contents may burst can seams, causing leakage and rusting.

Candy, fruitcakes, plum puddings and other confections seldom pose health problems.

"These products contain sugar, rum, spices and other 'preserving' elements that have been used since the Middle Ages," says Kantor. "They can be shipped and stored at room temperature. About the only thing you need to be concerned with is damage or breakage of the package, especially if it is glass or ceramic."

The one possible health hazard in the dessert category is cheesecake. Because it includes fresh cream cheese, it must be kept cold to avoid spoilage. For this reason, vendors are advised to ship cheesecake frozen solid. Consumers should then refrigerate the cheesecake upon receipt.

If you have questions regarding the safety of food gifts, contact a home economics agent at your local Cooperative Extension Service office. Phone numbers are included in county (and Baltimore city) listings in the blue pages of the telephone directory.

Another source of information is USDA's Meat and Poultry Hotline, which operates weekedays 10 a.m. to 4 p.m. EST. Call 1-800-535-4555 (Washington, D.C., area residents should call 202-447-3333).

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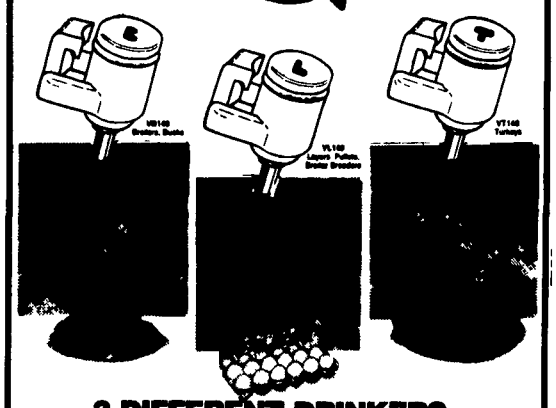
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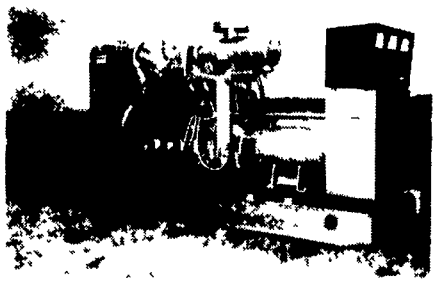
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Boots And Saddles Club Presents Awards

LANCASTER (Lancaster Co.) — The annual awards banquet of the Boots and Saddles 4-H Club was held at the Farm and Home Center, with 85 members and family members in attendance at the covered dish supper.

Special guests were Mr. and Mrs. Jay Irwin, county extension agent.

The following members were recognized with awards:

Becky Preiss was recognized for four years of perfect attendance. Jennifer Goodman, Leah Harvey, Eileen Holm and Nathan Stoltzfus received two year awards and Erin Hess & Kelly Sullivan received an award for one year of pertect attendance at meetings.

The High Sponsorship Award went to Barry Gochenauer in the 8-12 year-old category; to Jessica Hill for the 13-15 year-olds; and to Becky Preiss for the 16-18 year-olds.

Juniors Melissa Meisky and Kelly Sullivan were rewarded for their junior presentation, and Eileen Holm, who went on to national competition with her presentation on selecting a used saddle, was awarded the honor for seniors, along with Jessica Hill and Leah Harvey. Their topics covered the Arabian Horse, the Thoroughbred, and Driving Horses.

President Eileen Holm was also recognized for her efforts with the club scrapbook, which won a gold ribbon in judging at the 4-H fair.

Melissa Meisky won the championship award in junior grooming and showmanship, and Billie Jo May won the reserve championship. In the senior division, the championship was won by Becky Preiss, with the reserve going to Melissa Harris.

Record book awards were as follows:

Novice Horseman: Jennifer Goodman, Elizabeth Heisey, Melissa Meisky, Samara Shuster-Edelson, and Danny Talbot.

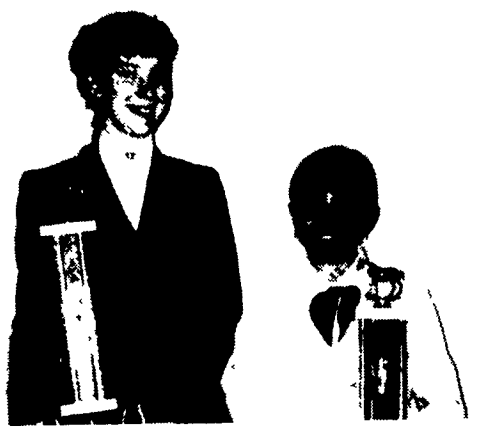
Tenderfoot Horseman: Nathan Stoltzfus, Kelly Sullivan, Heather Moyer, and Elizabeth Doherty.

The Junior Horseman: went to April Ritzel, Deana Mentzer, Jessica Hill, and Erin Hess.

The Senior Horseman: Becky Preiss and Missy Overbaugh.

Advanced Horseman: Eileen Holm, Sharon Harnish, and Melissa Harris.

The all-around 4-H member top awards given to those who have earned the greatest number of points in all of the club's activities for the year were in the 8-12 year-old category, Jennifer Goodman; in the 13-15 year-old category, Jessica Hill; and in the 16-18 year-old category, Eileen Holm.



Pictured are the all-around 4-H members, from left; Eileen Holm, 17, of Manheim, and Jennifer Goodman, 10, of Mountville.

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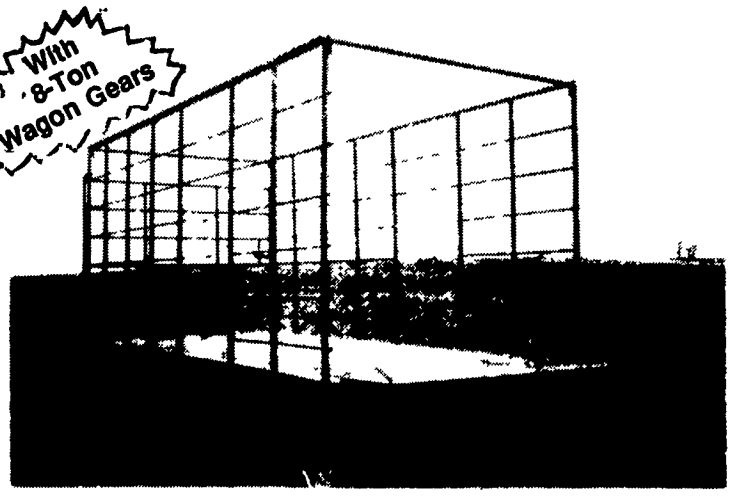

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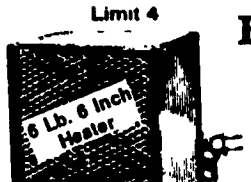

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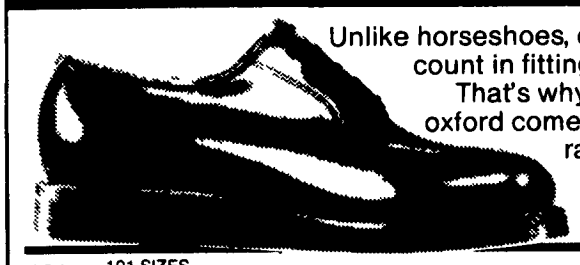

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Montgomery Co. Recognizes 4-H Volunteers

4-H HAPPENINGS

CREAMERY (Montgomery Co.) — Montgomery County 4-H members, parents and extension staff applauded the accomplishments of their 4-H volunteer leaders and outstanding 4-H members at the county-wide achievement night held recently at the 4-H Center in Creamery.

Every adult leader received an achievement certificate recognizing the number of years of service, while those with five, 10, 15, 20, 25, 30, or 35 years received additional recognition with a 4-H pin. Teenage volunteers also received recognition.

A special award, "Leader of the Year" for 1990, was presented to Sara Danehower of Lansdale, a leader of the Lansdale Lassies 4-H Club, for her outstanding leadership and dedication to not only her own club, but to the community and to the overall Montgomery County 4-H Program. Her enthusiasm and willingness to share ideas to bring about change over the past 41 years that she has been a leader earned her the title. Lynda Ayres of Collegeville also received special recognition as "Outstanding New Leader," awarded to a leader with less than four years of service. Lynda is a leader of the Trappe 4-H Community Club. Commissioner Rita C. Banning presented the awards to these two top leaders.

Several outstanding teens received recognition for their teen leadership role in their local club as well as the county, regional, and state 4-H Programs. The following teens received the highest award for leadership - the "I Dare You" Award from the Danforth Leadership Program: Colleen Lodge (Green Lane), Barbara Finnin (Collegeville), Brent Lutz (Spring City), Gwen Ottinger (Collegeville), Dawn Conklin (Chalfont), and Brenda Wolfgang (Bechtelsville).

A new recognition program to highlight a younger or newer 4-H member who has shown an outstanding positive attitude, willingness to help others, enthusiasm and acceptance of responsibility is the Spirit of 4-H Award. Members chosen for this award were Danielle Breaux (Salfordville), Isaac Garges (Telford), Susan Truehart (Norristown), Shawn Mentzer (Royersford) and Katie Kelly (Harleysville).

Sara Danchower was named "Leader of the Year" at the county-wide achievement night.

Each year 4-H acknowledges individuals or businesses in the community who have contributed in a special way to the 4-H program. Those recognized as a "Friend of 4-H" for 1990 were "The Independent" of Collegeville, John Stewart, Editor; Seymour Levin of the Lansdale Discount House; Representative George Saurman of Ambler; Renninger's Market of Schwenksville, and Marcho Veal Products of Franconia.

Ride & Tie Horse Race

Ever wonder what would happen if there were two people, one horse and quite a distance to cover from here to there? That's the idea behind a ride and tie race, where two people share one horse, taking turns riding and running across the countryside. In a race, teams compete against each other, with the fastest time taking home a blue ribbon.

The annual Ride 'N Tie Race, sponsored by the Saddle Cinches 4-H Horse and Pony Club of Northern Lancaster County was held Sunday, October 7, in State Games Land trails between Colebrook and Mount Gretna. Juniors covered a distance of three miles, seniors five miles, and adult division opted for the three mile distance.

Junior Division

1. Kerra Allen and Jessica Pfahl, both of Manheim; 2. Ashlie Nelson, Mount Joy, and Kari Moyer, Manheim; 3. Linda Reesor and Heather Oberholtzer, both of Elizabethtown.

Senior Division

1. Kyle and Bob Kettering, both of Manheim; 2. Lavonne Lehman and Joan Ginder, both of Manheim.

Adult

1. Barbara and Mike Kerker, both of Elizabethtown; 2. Lori Holton, Mount Joy, and Jodi Gantz, Manheim; 3. Jan Longenecker and Pat Kruse, both of Manheim.

The Ride 'n Tie Race is an annual event sponsored by the Saddle Cinches 4-H Horse and Pony Club and held in the fall of the year.

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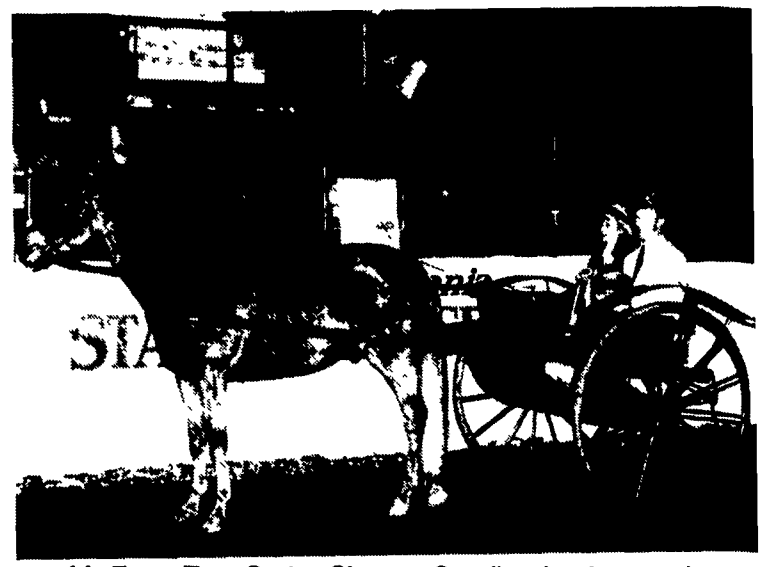
Chester Has Horse Show Winners

HARRISBURG, (Dauphin Co.) — Chester County 4-H horse members received 14 awards at the 31st annual State 4-H Horse Show held October 26-28 at the State Farm Show Complex in Harrisburg.

County winners in 4-H horse performance classes were Ted Horvath, Chester Springs, 5th in Hunt Seat Equitation over jumps, Sr. Division; Jennifer Knox, West Chester, 1st in Pleasure Pony Driving; Liz Root, Saint Peters, 1st in Pleasure Horse Driving; Megan Booker & Karen Guerrina, New London & Cochranville, 1st Pleasure Pairs. In 4-H horse production classes members breed and raise their own project animal. Local winners were: Christi Scott, Gap, 2nd in Arabian Yearling Gelding; T.R. Serio, Kennett Square, 2nd in Appaloosa Colt of this year; Michelle Bonhage, Cochranville, 2nd in Draft Type Horse 2 yr. old filly; Lori Shelton, Quarryville, 2nd in Half Arab Colts and Fillies of this yr.; Robert Rausch, Elkton, Md., 1st in Hunter Type Horse Colt of this yr.; Megan Charron, Honey Brook, 2nd in Hunter Type Horse Filly of this yr.; Laura Adams, Kimberton, 2nd in Hunter Type Horse Yearling and 2 yr. old; Melissa Miller, Honey Brook, 3rd Hunter Type Pony Colts & Fillies of this yr.; James Healy Jr., Lincoln University, 2nd, in Stock Type Horse Filly of this yr.; Gennvieve Lieper, West Chester, 1st in Thoroughbred Colts and Fillies of this yr.; and Lorraine Reed, Downingtown, 5th in Stock Type Pony 2 yr.

(Turn to Page B23)



Liz Root, Tom Carter Chester Co., first in pleasure horse driving

Robert Rausch Chester Co., first in hunter type colt of this year.

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IV	Union	38.1	209.55	
	Pioneer 9412	42.1	233.20	
	Dekalb CX415	43.0	236.50	
	Asgrow A4595	44.0	242.00	
V	Essex	35.8	196.90	
	Asgrow A5403	44.1	242.55	

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Horse Show Winners

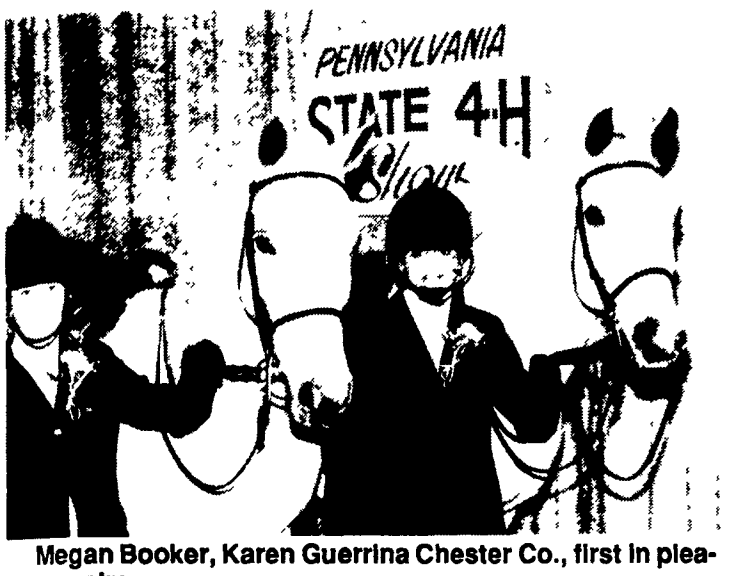
(Continued from Page B22)

old Geldings and Fillies.

Several other Chester County horse club members competed in the state contest and received recognition. They were Megan Markward, Devyn Law, Rebecca Blye, Brooke Coldiron.

Cheryl Fairbairn, Livestock Agent, pointed out that competition gave 4-Her's an opportunity to display their horsemanship skills.

The primary purpose of the state 4-H horse program is to develop skills in horse management. Through competition, 4-H'ers develop riding skills, gain self-confidence, and learn proper care of animals.



Megan Booker, Karen Guerrina Chester Co., first in pleasure pairs.

'Jasper' Set For Big Show

WILLIAMSBURG (Blair Co.) — Scott Stone will enter his steer, Jasper, in the junior market steer division at the State Farm Show in Harrisburg Jan. 6-11. In the fall, Jasper became grand champion steer at the Williamsburg Farm Show. Jasper, a 14-month-old Limousine cross, was purchased in March. Scott, son of Robert and Rita Stone, is a sophomore at Williamsburg High School.

4-H Community Club

The Jefferson 4-H Community Club of York County held its Nov. 15 Achievement Night meeting recently.

Leaders were recognized: Darlene Bankert, Darlene Wherley, Pearl Kneller, Diane Shive, and Connie Davies.

Completion pins were handed out to the following: 1st Year: Melissa Albright, Michael Lybarger, Beth Tracy, Eric Tracy; 2nd Year: Daphne Doll; 4th Year: Daniel Cole, Dixie Doll, Elizabeth Kann; 5th Year: Chad Davies, Curt Davies; 6th Year: Christy Davies; 7th Year: Carrie Davies; 9th Year: Robin Shive; 11th Year: Cathy Shive; Cloverbud: Susan Albright.

The following awards were presented: 1990 Cookie Sale: Cathy Shive; 1990 Sub Sale: Dixie Doll; Perfect Attendance: Elizabeth Kann; 1990 Completion Award: Cathy Shive; Beef: Robin Shive; Ceramics: Daniel Cole; Clothing: Christy Davies; Crocheting: Dixie Doll; Cross Stitch: Beth Tracy; Dairy: Daphne Doll; Leathercraft: Michael Lybarger; Pet Care: Elizabeth Kann; Quilting: Carrie Davies; Swine: Cathy Shive; Woodworking: Chad Davies; Rookie: Melissa Albright; Leadership: Robin Shive.

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1- Farm Equipment
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5- Grain Equipment
6- Dairy Equipment
7- Livestock Equipment
8- Cattle
9- Horses & Mules
10- Sheep & Goats
11- Swine
12- Artificial Breeding
13- Hog Eq. & Supplies
14- Poultry & Supplies
15- Feed & Seed
16- Fertilizer
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21- Services Offered
22- Custom Work
23- Help Wanted
24- Situations Wanted
25- Business Opportunities
26- Household
27- Pets
28- Lost
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31- Notice
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34- Autos
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36- Real Estate

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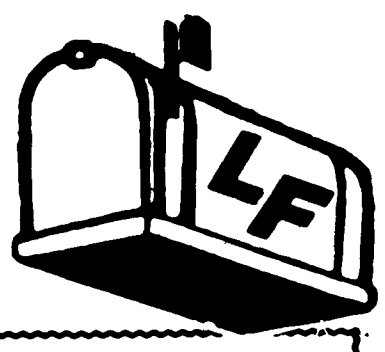

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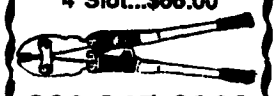
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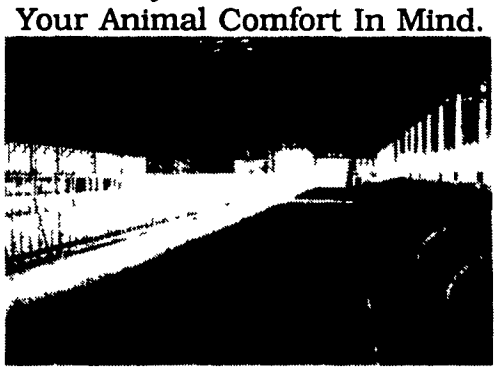

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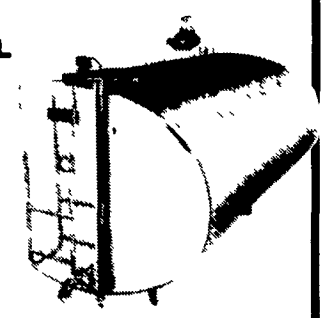

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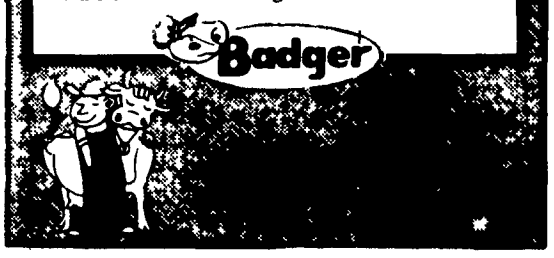

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- 800 Gal. Mueller "OH" Recond.
- 800 Gal. Mueller "OH"
- 80[SOLD, NY]ool
- 800 Gal. Mojonnier
- 80[SOLD, OH]r "M"
- 800 Gal. Girton
- 800 Gal. Storage
- 1000 Gal. Milkkeeper
- 1000 Gal. Mojonnier
- 1000 Gal. Mueller "OH"
- 1000 Gal. Mueller "OH" Recond.
- 1000 Gal. Mueller "OH"
- 1000 Gal. Girton
- 1000 Gal. Girton D5
- 1000 Gal. Storage
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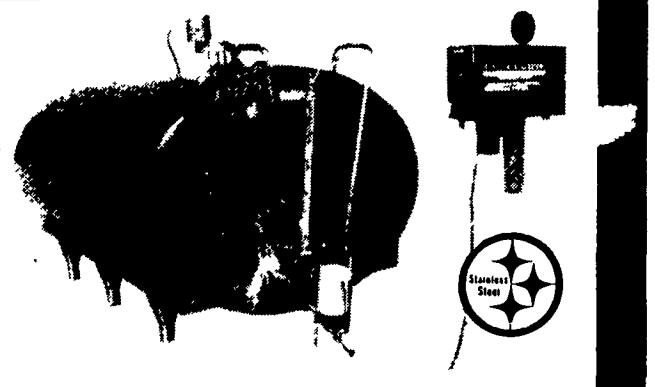

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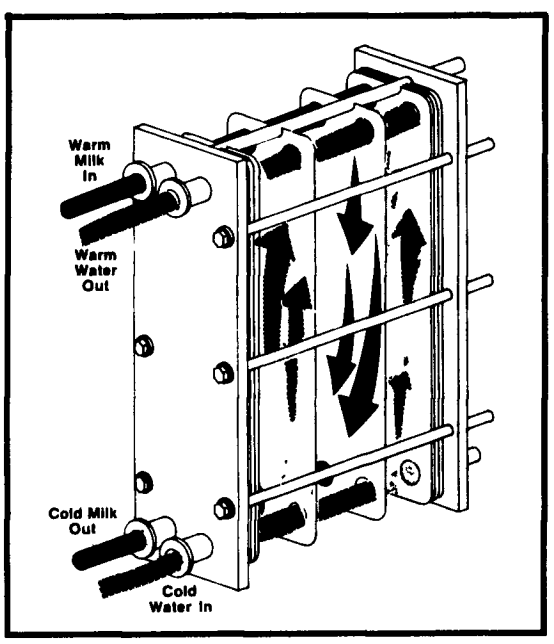

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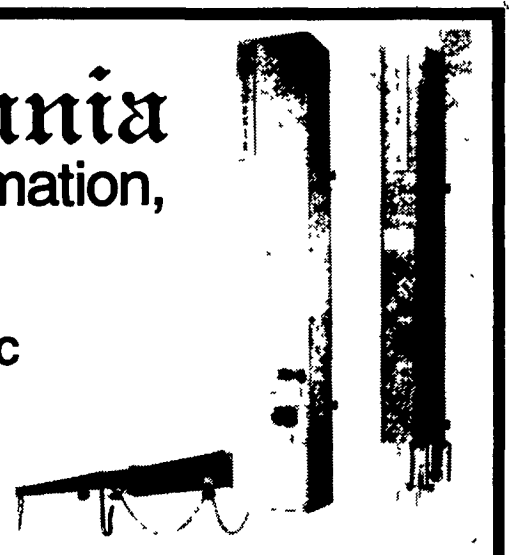

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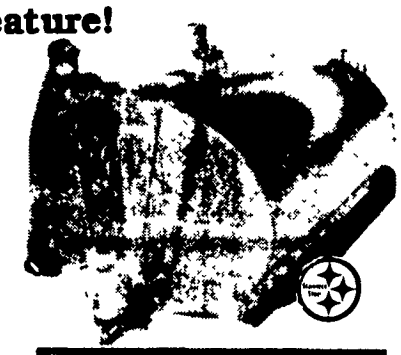

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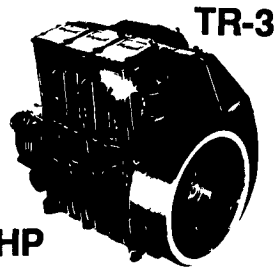

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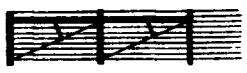

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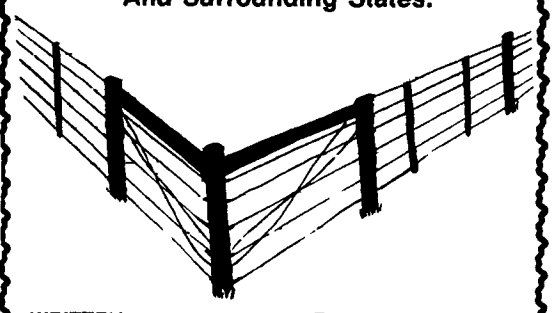

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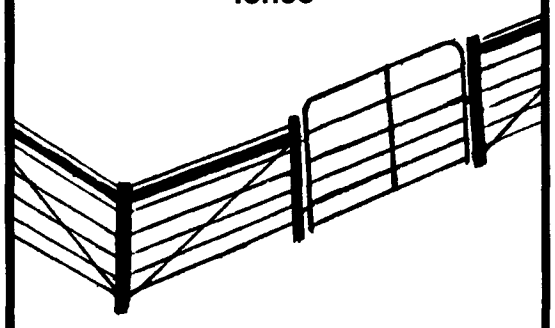

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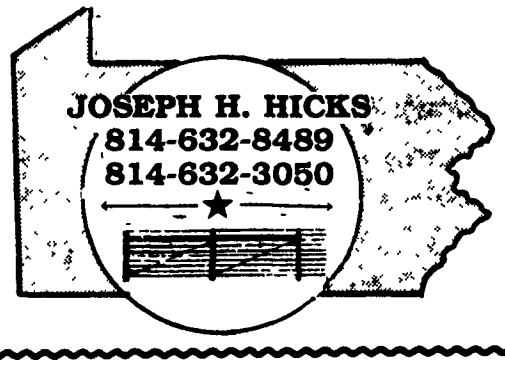

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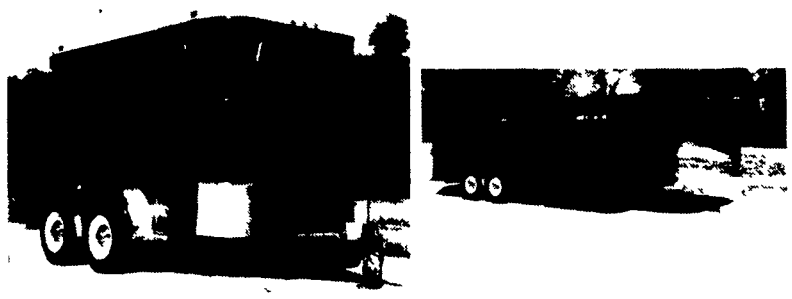

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A Q.H A. 3 year 14.2H Sorrel Gelding. Good trail horse $1100. 215-488-6914; 717-933-5163.

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Day of Sale (717) 865-2881

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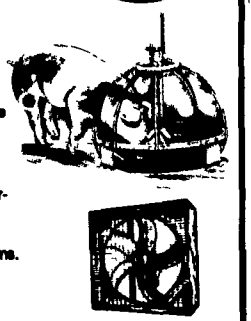

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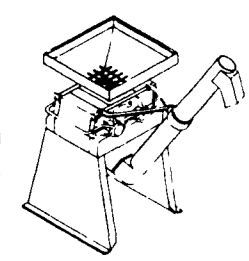
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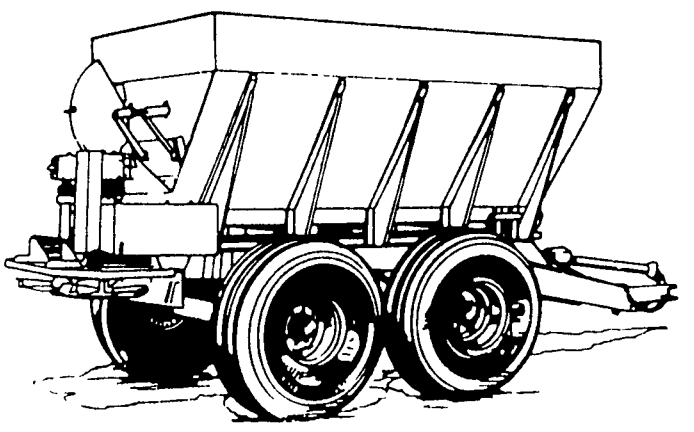

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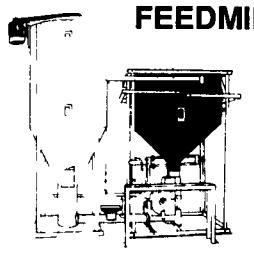

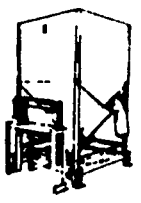

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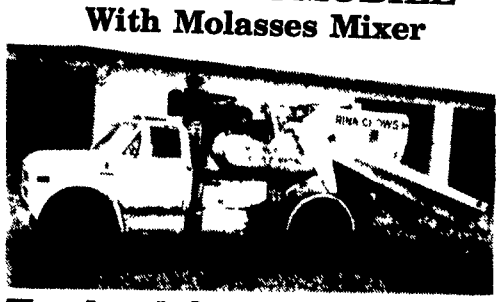

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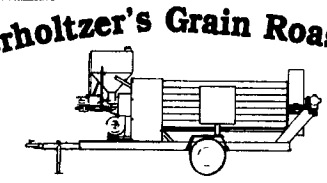
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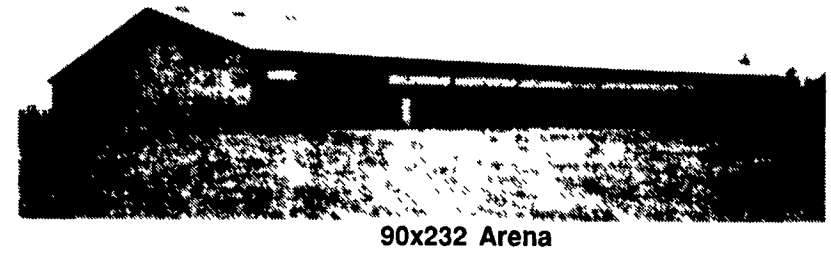
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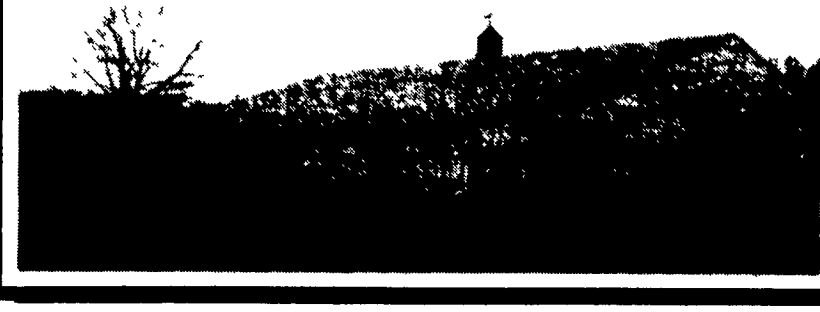
90x232 Arena

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$35,000/YEAR PART TIME. Ag Related Field, For Free Information Please Call 208-733-2323, or write A.S.A.A Box 186, Twin Falls, Idaho. 83303.

Dairy Farm in S.E. Pa. is seeking positive motative person to work into management role. We offer good working environment, attractive compensation/ benefit package and days off schedule. Responsibilities include daily care of milking herd and some field/crop work. Send brief letter of qualifications to: Box R-23, c/o Lancaster Farming, POB 609, Ephrata, PA 17522.

Experienced dairy farm worker for 200 cow dairy. Salary negotiable w/house and benefits (814)632-6380.

Farmer/Gardner for Bedminster New Jersey Estate. Live in. No Children. Must be responsible & reliable. Experienced and references necessary. Call 201-234-0951.

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Mechanic familiar w/ agriculture equipment to maintain Cope's green pea and sweet corn harvesting equipment. Should also possess current Class III driver's license to operate tractor trailer to move harvesting equipment. Excellent benefits, full time. Send resume or apply in person to:

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Gerald Keperling
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Milking manager and herdsperson, needed for large modern dairy in Central New Jersey. Top wages, negotiable for dependable person willing to take responsibility. Two days a week off, flexible hours, $500-$800/wk possible. Call (201)369-3936 between 9am-2pm daily

Person w/strong agricultural and sales background. Position requires knowledge of soil fertility programs for sales of biological and non-chemical agricultural products. Send resume to: Sales Position, Box 421, Dillsburg, PA 17019.

Reliable person to manage and operate modern 60,000 capacity layer house. Reply to: Lancaster Farming G-59, P O. Box 609, Ephrata, PA 17522.

WANTED: Live-in housekeeper/nanny Flexible hours. Sense of humor a must. Lanc. Co. 717-367-7082

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Field crop and livestock farm needs reliable help for machinery operation and livestock care. Primarily hay and purebred Hereford cattle. Experience preferred. Housing and benefits provided.
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Lancaster Farming G-57
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Please send inquiries to:
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*** An employer fee paid agency**

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is seeking an experienced farmer to manage livestock operations at a new 300-acre demonstration farm.
Public relations and supervisory skills a must. Excellent career opportunity with good starting salary, county benefits and housing. Apply to:

Chester Co. Parks & Recreation Dept.
235 West Market Street
West Chester, PA 19382
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Person wanted on 70 cow dairy farm in Central NJ. Requires milking & general farm work. Housing included. 609-259-2630 or 609-259-7494

Person to work with 90 cow modern dairy and field work. Experience and references needed, applicants must be reliable. Franklin County. Call 717/352-2877

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ALL REPLIES KEPT CONFIDENTIAL
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Lebanon, PA 17042-9788
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- Agricultural experience helpful

Sales and advancement potential.
Work in Lancaster, Chester, and Lebanon Counties
Part-time Work Available
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Ph: 717-355-2123

Night Watch Person, Maryland thoroughbred horse farm, 9PM to 6AM, starting Jan. 10 thru June. 301/879-1952.

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Land Clearing, Brush Mowing Work Wanted. Berks, Lancaster, Chester Counties. 215-856-7392.

25 BUSINESS OPPORTUNITIES

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To sell provisions, fresh produce, baked goods, crafts and general merchandise? A Saturday Market will open in Blue Ball, PA. Air conditioned with plenty of light and electrical outlets. Room for over 100 vendors.

If interested call (717) 354-4331 or stop by in person at the Weawit Street entrance to the THM building at Broad & Weawit Streets, Blue Ball, PA. Ask for Michael Price or Arthur Price.

FOR SALE
SHADE GAP MILL
HUNTINGDON CO.
EXCELLENT OPPORTUNITY FOR THREE FAMILY BUSINESS
1. **Feed Mill, Complete With Good Business**
2. **Pro Hardware & Tractor Implement Supply (TISCO) Both Businesses Well Stocked**
3. **Complete Historic Mill With Equipment. (Many Possibilities)**

Nice Home, Land, Buildings, And All Inventory To Start Making Money Within the Hour. Will Sell All For One Million Dollars One Time. Will Give New Owner One Million Dollars Of Good Business First Year.
Smooth Transition To Honest Buyer Owner Retiring
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RD 1 Box 36, Shirleysburg, Pa. 17260
Bus. 814-259-3258
Home 814-447-3388 Eve.

$$$$ Are you looking for a real money making business that you can own and run full or part-time. Look for our sales and business opportunity ad in Poultry/ Supplies section. Then give us a call 1-800-642-5298 or 717-359-7343 anytime

For Rent: 200 acre dairyfarm in Harford County, MD 8 stall Herring Bone milking parlor Please reply to:
Box #G-58, Lancaster Farming, P.O. Box 609, Ephrata, PA 17522.

For Sale: Small Engine Business with large inventory. Call 215/267-0400 evenings.

Lawn furniture business w/ equipment: dust collector, hydraulic and air lines, nailers, staplers, inventory etc Lancaster Co. Answering service: (215)593-6112.

Want to make $15/hr. at home? Handmade item every dairy farmer needs. Easy extra income for men, housewives, teenagers, retired, and disabled. Free information. SASE to: Goodville Farm Services, Box 6, Goodville, Pa. 17528.

26 HOUSEHOLD

Counter Top Range, 30", copper color, $95. 717/738-3377

Water Softener, 23,000 grain capacity, used 2 years, good condition, ½ price $350 OBO 717/738-3377

Wood Stove, Glennwood #1250, hot water jackets with domestic, used 2 seasons, insulation panels $895 717/738-3377

APPLIANCES
Central PA's oldest & largest used only appliance store now open in Lebanon. Over 150 rebuilt appliances to select from. All appliances guaranteed 1 year.
W.S. Enterprises
15 S. 9th St.
Lebanon, PA
717-272-2405

27 PETS

AKC Dalmation puppies ready for Christmas, 6 adorable black & white, one liver $250 to $300 Call after 4PM. 717/859-2953

AKC German Shepherd pups farm raised, beautiful markings Ready to Go! 717-865-6053

AKC-Pomeranian pup, male, 4-mo., good pet, $150 John L Stoltzfus, RD4, Box-14, Honey Brook, PA 19344

Australian Shephard Puppies, good for cattle, watch dogs or pets $35/each 717/359-9620

Black Australian swans, mated pair $500 301-482-8806

Border Collie/Australian cattle dog puppies. Make good cattle dogs (717)665-4582

Boston Terrier pups, shots & wormed Newfoundlands AKC 717-733-7644, Ephrata, PA

Bull Terrier Male (Spuds) AKC shots/wormed 6mo, Keeshond female AKC 8mo, Bloodhound female 7mo AKC. FOREST RIDGE KENNEL 717-442-4259

Dingo Puppies, good herd dogs and love affection Blues and Reds $50 for male, $75 for females Call 717-864-2462

FOR SALE· AKC Chocolate Labador Puppies, shots Ready to Go! $200 717-933-4831

For Sale Border Collie puppies, famales $30, males $20 Leb Co 717/866-5807

For Sale Reg Vietnamese Potbellied Pigs, Gilts $900, Boars $200 717-768-7135

Jack Russel terriers, two male pups, 12 weeks old with nice markings, (717)837-3192.

LLAMAS 2 Beautiful female babies, 1 pure white, 1 tan and white Asking $9500 each 201-322-4038

Maremma Sheep Dogs, rare large white guardians of home or farm $250 412/668-7758

Norwegian Elkhound puppies AKC, CH-BL-Lines Will hold for Christmas $250 717-354-9196

Purebred Pomeranian puppies, 1 female & 2 males, brown, born 11/30/90, Sam Glick, 433 Millcreek School Rd, Bird-In-Hand, PA 17505

Reg Australian Shephard Puppies, 6 weeks, shots, nice, tri-colors 717-292-1547

Reg. Australian Blue Heeler Pups Excellent stock dogs, will learn to work just about any kind of livestock and are great watch dog, good w/ children For more information call 301-875-0473; 301-857-1213 Will have pups available 1-8-91

Registered Border Collie puppies Champion imported bloodlines Ready Christmas 717/532-4259

Registered Australian Cattle Dog puppies, very intelligent, obedient, loyal pets Great outdoor/indoor protection. 717/532-9441.

Tri-color Cocker, male, 10-month, very nice, black and white, cocker, male 2yr pet/stud, Samoyed male for stud, beautiful, Leb Co 717-949-3590

Two Basset Hound males No Sunday calls 717/345-6278

UKC American PitBull Terriers, two ready now, others ready Christmas, AKC Great Danes, ready Christmas, AKC Labrador Retrievers, balck, chocolate, adult females, xray certified clear Deposit will hold Somerset 814-267-4744

Greater Swiss Mt. Puppies
9 Wks. Old, Females, Champion Bloodlines, Show & Breeding Quality, Shots & Wormed
Great Pets
$800
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AKC Registered and Purebreds
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Loving Homes Only!!!
Call Marie; Mornings 6-9 AM
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Vietnamese Potbellied Piglets
Royal White Bloodline.
Most Wonderful Pet
Of The 90's.
Ph. 717-626-5397

Christmas Special

Millbrook Pot Bellies
offers the following miniature pigs for sale. 2 boars and 5 gilts out of registered 3rd generation Connell stock. Pick yours out now for that special Christmas gift.
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WANTED
AKC Puppies For Resale As Pets. Himalayan, Persian And Siamese Kittens with or without registration papers. Also mixed Kittens, Chinchillas and male Singing Canaries. Will pickup. CALL NOW
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VIETNAMESE POT BELLY PIGS
Registered, (3) Black & (3) All White, Males & Females #1 Connel Line
Prices From $500 to $3000
Ph: 717-768-7669
Call Before 8 AM & After 5 PM

Jo Jo The Dog Man
PUPS WANTED!!!
Die Hundeman mit die Geld fer die Hunde.
Now picking pups up on Tuesday's. Top dollar paid for purebred and cute mixed breeds.
$250.00 cash prize for the cutest pup purchased between now and Dec. 20th.
Pick up pups Dec. 20th, 27th. And will pick up pups Thursday, Dec. 27th.
Picking up pups the entire state of Pennsylvania.
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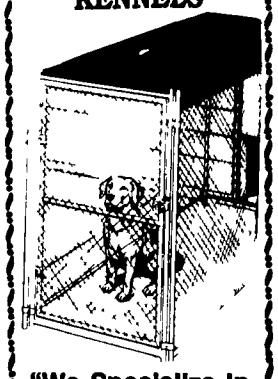

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27 PETS

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AKC, Purebred, Mixed Litters.
Stud service for most breeds.
Transportation provided.
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31 NOTICE

Aches? Stress? Massage, Sauna, Reflexology. NO Hanky-Pank! Serious Only. 717-295-4869

For Sale· 60 gallon heavy plastic apple juice barrels. Ideal f/water, kerosene, feed, garbage and feeding containers, boat docks, $4 00 each Wyoming County (717)586-0145

Top Dollar Paid for old log cabins for removal, old house salvage, wide old flooring, old small wooden corn crib, wooden outhouse, old (6-8) paneled doores, grainery boards, barn siding, fireplace mantels, old architectural built-in cupboards Chester Co 215/857-3910.

WATER RAM information booklets send $10 00 G.Kotula, 3037 Merritt-Parkway, Reading, PA 19608-1013. FALLING WATER PUSHES WATER UPHILL

32 MISCELLANEOUS

WANTED: WEATHERED BARN SIDING. Will buy and tear down old barn Must be in good condition No rot Need enough for a one story residence (703)978-0383

Wanted to buy Antique stonemill in working order (609)267-6071.

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Baker Forklift, 5000# engine rebuilt, gas, new battery, $1,500 2 cyl Ingersol Rand air compressor, excellent, $1,000. (717)626—8659 evenings, Ken

Bear frontend alignment rack, updating equipment, must move BO. (717)354-5939, (717)354-5727.

Black Australian swans, mated pair $500. 301-482-8806.

Chicago 8 Ft sheet metal brake, 18 gauge capacity. New edges. $650 Lebanon County 717/865-3093.

Christian poetry to be blessed by. "Earthly Things With A Heavenly Thought" has 76 poems with 124 pages. Just $12.67. Free shipping and handling. Send check to P.O. Box 315, Acme, PA 15610.

Farm Toys-Collector Series, Show Tractors, Pedal Tractors, Trucks-for sale at all times. Visit our large display during business hours. Wengers Farm Machinery, Inc., 251 S. Race St., Myerstown, PA 717/866-2130.

FOR SALE: Old Barn Boards and Logs. 717-899-6612.

FREE For The Hauling. 700 lb. bales of scrap newsprint. Call 717-626-1164. Ask For Jack.

MEAT GRINDERS -BAND SAWS -SLICERS -TENDERIZERS -HAMBURG PATI MACHINES & WALK IN COOLERS. New splitting saws only $249 00. Gerry Grundy, Doylesburg, PA., on RT 75 at RT 274. Open Saturday & Sunday 10AM-4PM. 717-349-7654 or Eve 215-549-7584.

Meatgrinders, Bandsaws, Slicers & Tenderizers Also, new splitting saws for only $249. Gerry Grundy, Doyleysburg, PA, on Rte 75, 200 yards North of Rte 274 Open Saturday & Sunday. 10AM - 4PM 717-349-7654 or evenings 215-549-7584

SAVE MONEY ON WOODWORKING MACHINES!
Band saws, jointers, planers, routers, scroll saws, drill presses, table saws, sanders, lathes, shapers, dust collectors & more in stock 30 Day Free Trial! 1 Year Warranty. Call For Low Prices. 1-800-445-4669 Terre Hill, Pa

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PAINTED STEEL ROOFING & SIDING
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AS LOW AS $32.00 per/sq.
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32 MISCELLANEOUS

12x55 house trailer converted to wood working shop Could be used for crafts Lancaster County (215)445-5746

1986 Soyer Mobile Home 14x80, 3 bdr, 2 full baths. Asking $20,000 Must Sell. 301/658-3280 after 6 30PM.

8' snow plow for Ford 8N or up to 3600 series Ford tractor; 110 gal. tank for diesel fuel w/electrical pump 717-367-7398.

34 AUTOS

1986 GMC Suburban 1500, 2WD, 9 pass., 350 V-8, auto., PW/PL, F&R, AC, excellent condition, 97,000 miles, $5,500. Call Gary at (609)924-2310.

'83 Lincoln Continental, excellent condition, beautiful grey and black, sunroof, leather interior, spoke rims, 302 V8 engine, $4,900. 717/263-5702.

35 TRUCKS & TRAILERS

1972 Ford F600 dump truck, 8 25x20 tires, 4+2 trans. w/replacement 390 engine 215/644-7727.

1972 Int. COE, rebuilt engine and trans., $2,500 (301)833-2311.

1972 Raven Flatbed, spread on air; 1974 U model Mack, tandem axel with V bottom manure tank, 1975 C850 Ford tandem, c&c, 477 engine, 5-speed transmission with 2-speed rear; twin cylinder 8 ton hydraulic hoist with pump, 717-272-9595

1973 Dodge power wagon, 51,000 miles, tinted glass, P/S, new tires, diamond steel bed, dual fuel tanks, Meyers snow blade, chains, front and rear hitch (301)357-5033

1973 Int 1600 Loadstar, 23,000 GVW, 18' body Bedford Co 814/652-6730

1973 International, cab and chassis only, 5-speed with a 2-speed axel, 30,000 GVW, $1200, 717-256-3233.

1973 White Freightliner, cabover, 903 Cummins, 9 speed, twin screw, R11x22 5 rubber, airshift, PTO, $2,500 (717)532-9472.

1974 Diamond Rio Cab and fiberglass tilt frontend, good condition 215/644-7727.

1974 Ford Lime Spreader Cat engine, hyd spreader good condition, 717-428-1219.

1974 Int. 4070A, 350 Cummins (little cam), 13-spd, 4-11 rears, 20" rubber, sliding 5th wheel, good running condition $5,500 717/582-2352.

1974 KW conventional tractor, 400 Cummins, Jake, AC, new paint, 42' aluminum spread axle trailer, side kit, new paint, full tarp, two steel tarps 1-800-735-6980.

1975 Ford LN800, 389 engine, 33,000 GVW, 26' flatbed, air brakes. Saxonburg, PA. (412)352-1081.

1976 F350 Ford w/9' flatbed, new tires and clutch, V8 motor, 4SP trans., $1800 OBO. 703-364-1241.

1976 Ford F-600, 12' flatbed dump. This truck is ready to go. Many new parts. Paint, rubber good. $5,000 Firm. 738-3003.

1976 Wilson Pot 45' hog rail w/full set of deck boards, 11-24.5 Budd wheels. (703)350-2617.

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Inventory, Like Signs & Literature,
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251 S. Race St., Myerstown
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35 TRUCKS & TRAILERS

18' Gooseneck trailer, 3 axels, 2' Beaver tail, 16,000 lbs. capacity, $2500, 717-256-3233.

1954 GMC 450 Series dump truck, 6 yl. 5+2 speed, good tires, little rust, inspected $1,800 OBO 717/789-4952 or 789-3021

1964 C80 Chev truck, 14' steel stake body, engine rebuilt, 5+2 trans., PS, air brakes, good condition, $2000 OBO 301-692-9486.

1966 White truck tractor, 238 Detroit Diesel, 15 speed road ranger, 38,000# rears, wet line, Dorsey dump trailer, 22' steel 10 00-20 rubber on both 201-236-2961.

1967 Chevy diesel 10-wheeler full screw, 26' thermoking, excellent condition, $3,800. (609)581-3747 (609)259-2497

1970 LN700, 361 heavy duty, 5-spd. trans, w/1977 Holmes 500 wrecker, 900R20 tires, PS, rebuilt engine and trans. 215/644-7727.

1971 Cab&chassis Tri-axel 18'-frame, 237 5-speed, $4,200.00 also 19' Alum dump, excellent- condition 60" sides complete $3800.00 also 5000 Gal. Steel tank $200.00 Berks 215-682-2883.

1971 GMC 6500, 366 engine, 5SP, 14' grain body, 26000 GVW. Berks County. 215-756-4379.

1978 3/4 ton GMC truck, mechanically good, body needs work. (717)786-1587.

1978 Ford LN8000, 3208 Cat, 5+2, 18' Eby aluminum stake body dump, $7,000 OBO. 215/286-9797.

1978 Trans Craft w/air ride, 48' drop deck trailer w/6' Hyd Beaver Tail, wide load and out riggers w/tie downs, good condition $10,500. 814-358-2401.

1979 Chevy ¾ ton utility truck, excellent condition. 717-225-5484

1979 Ford 800, 429 gas, 32,000 GVW, 5&2, power steering, air brakes, 1981 Ford 800, 429 gas, 32,000 GVW, 5&2, air brakes and power steering; 1980 Int 1854, 466 diesel, w/22' Morgan van body, 5&2, 27,000 GVW 301-877-9889

1979 Kenworth C/O, 475HP, 8V-92TTA, 13-speed, 3.70 rears, air ride susp., new paint, excel. cond. $15,000. Evenings 215/363-6457.

1979 Moritz stock trailer, 7x20, 7' tall, new brakes, repainted, rebuilt, good floor. Can be seen at Witmer Coach Shop, New Holland. $2,900 offer or call (515)484-4601.

1980 Chevy 30 stake body, V8, 4 spd., $2,800.; 1981 Ford F250, V8, 4 spd., super cab, $2,700.; 1972 Ford L-900, $3,000. 717-933-4114

1982 Mack RD686SX tri-axle dump, 300+ engine, 6sp, 18cy, heavy duty body, 18,000FA, 58,000#, rears, PS, AC, 11x22 rubber, top maintenance, excellent condition $28,900 (717)828-2544.

1983 Ford F-250 Super Cab, 351 eng., 120,000 mi., auto., set-up for gooseneck trailer, $3,850. 215/679-0321.

1984 Chevy C-70 w/16' stake body dump, easily converts to flatbed, 366 5+2, 144,000 mi., one owner, $12,500. 717/367-1006.

1984 Dodge Ram 50 turbo-charged diesel pickup. 5-speed overdrive, PS, PB, new tires, heavy-duty hitch. 45,000 miles. $3900. (215)348-2116.

1985 34' Raven dump trailer. 1985 City 33 1/2' dump. 1 complete Fruehauf suspension. 1970 Int. Transtar. (717)532-8363.

1985 Ford, dual wheel pick-up, AC, running boards, full rack over cab, 5th wheel set-up, good condition. 215/759-4810

1987 F350 Automatic 12' cattle body, 50,000 miles $8500 OBO. 215-356-3140

1987 GMC 1/2 ton, 305 FI, automatic overdrive w/cap, good condition, $5,400 (717)292-0501.

Diamond Reo Diesel l quid manure truck 4400 gal $6500

Ford F150 Pickup, 1987, Dark Blue, powering steering & brakes, air, fuel injection, running boards Zartman Dodge, Lititz, PA 717/626-8551.

For Sale. 1987 Dodge pickup 318, automatic, air, dark blue metalic, nice, clean, 42,769 miles, $6,500 OBO. Lancaster County (717)733-9270.

General 40' equipment trailer w/hydraulic ramps, $5,800. 301-833-2311

HOLIDAY SPECIAL
From Bittner Boys, Inc.
One Each Rebuilt Chevy Motor. 305, 350, 396, 402, 454, 366 & 427. Deliver or Install. 717-762-7940

MORITZ Gooseneck Stock Trailer, (new), 6'x20', 12,000 GVW, tandem axle, elect. brakes, 6 bolt hubs, 15" tires, blue color, oak floor, ONE ONLY!! $4,395. Martin Hardware, Schaefferstown, Lebanon Co., Pa. 717-949-6817, 949-2549

MUST SELL BY 12/31/90. 1978 Peterbilt cabover, 8V92, 475 Detroit w/18,000 miles, 9 speed, 370 rears on Budds, recent starter, steering, tires and batteries. Truck has potential price slashed to $7,500 OBO. (717)656-6525.

NEW 76"x16' Utility Trailer, 3,500 lb. axles, 2" bumper hitch, 15" tires, no brakes, $1,095.--with brakes, $1,320. Martin Hardware, Schaefferstown, Lebanon Co., Pa. 717-949-6817, 949-2549

Screening plant 1982 Rawson, top soil and sand screen, 20hp trailer mounted, excellent condition, $9,000. 9 ton trailer, 3 axle, 22' bed, deck between wheels, $1,400 (215)358-0725.

Shoop 2-horse trailer for sale Has tack compartment, excape door, new floor boards, new wiring, new tires. Exterior paint good condition. $2,000 Any questions, call John Mensch at (717)672-9947 after 3.30pm, leave a message.

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Trailer, 28' gooseneck, tri-axle, 5th wheel hitch, extras, wheels and tires $1875 OBO. Nights, 301/798-1234.

WANTED: 1970 White construcktor hood and fenders or whole truck for parts 717-456-5537.

WANTED: 26' rollback body, must be heavy duty and complete. Phone 717/532-6540.

WANTED TO BUY: 1975 thru 1979 Ford F250 4x4 for parts or front axle for same 215/488-1965.

Cattel trailer 14' gooseneck, excellent shape, barn kept 301-592-9776

'87 Chevy C20 HD, ¾ ton, 350 FI, auto., PB, PS, 8,600 GVW, 38,000 miles, excellent condition, $7,950 717-733-2873

'87 Chevy C20 HD, ¾ ton, 4x4, 350 FI., auto, PB, PS, lock-out hubs, AM-FM, dual tanks, 8,600 GVW, 36,000 miles, excellent condition, $9,950. 717-733-2873

'87 Chevy Scottsdale C20 Suburban, 8 passenger, 454 auto., PB, PS, air, towing package, 44,000 miles, excellent condition, $9,950 717-733-2873

'87 Chevy Scottsdale, ½ ton, 4x4, 305 FI, auto, PB, PS, AM-FM, rally whls, 6,100 GVW, 30,000 miles, local 1 owner, excellent condition, $8,975 717-733-2873

'88 Chevy Silverado 2500, ¾ ton, 6 2 liter diesel w/ new Reading utility body, PS, PB, 24,000 miles, excellent condition, $10,900 717-733-2873

'73 IH 1600 Series, V8, 5+2, rebuilt motor, new rubber w/3 horse van, $1,500. 301/898-7426.

'73 Int. 18' flat, 345 gas, 5+2, good condition, $1,400. (717)687-7939.

'74 Chevy pickup, 350, V-8, standard, 73,000 miles, new inspection. (215)536-8624.

'76 Mack, single axle tractor w/20' Marion Aluminum tandem dump trailer, $7,800. 3000 gal. stainless milk trailer, single axle, $1,500. (2) 40' convertible flatbed trailers, sliding tandems, $1,000/each. After 7PM 201/647-2228.

'81 Dodge D-350, flatbed, 7'x9', 360 V8, 4-spd., 40,000 original miles, $4,400 717/442-8303.

'72 Chevy C-30, V8, 4-speed, 12' Hostetter Cattle Body, one owner, $800 301/898-7426.

'89 Ford E250 Super Cargo Van, 300 EFI, auto., PB, PS, air, 8,100 GVW, charcoal, 32,000 miles, excellent condition, $9,950 717-733-2873

9' Ford Stake body. 215/644-7727.

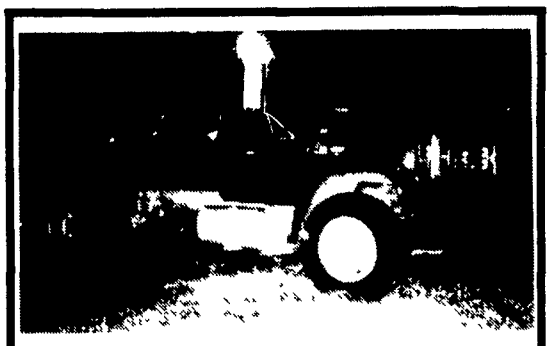
6½ x12½ Dual axle trailer, channel iron const, 5000 lb. title, elect. brakes. 717/865-2789.

'67 Ford 1 ton cattle truck, very nice $900 301-898-7426.

9 Ton Backhoe Trailer, 3 axles, new tires with ramps, excellent condition, $1,975. Days 717/532-5417, Nights 717/532-7013

Aux. fuel tank w/brackets and new fuel pump to fit 1987 thru 1989 Ford pickup truck $200 717-349-7281

'72 Int. 1600 14' bed w/ hoist, 345 engine, 4&2 speed axle. '72 Ford L9(dump truck w/9' st plow, air brakes, 5+2 tran axle, 477 engine, drive train and engine good condition, bed rough, will sell whole or part out (717)244-2039



78 Chevy C-65, gas, V8, 427, new paint, like new $4,995
70 International Load Star .. $400 OBO
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1981 IVECO
5 cyl., air-cooled, 5 speed,
14' Schwartz Rollback,
Good Cond.
Asking $8,500.00
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NEW 1989 FORD F-350

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ASKING PRICE: $18,795 Neg.
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1974 CHEVROLET HORTON MODULAR AMBULANCE, OUTSTANDING CONDITION, 51,000 EASY MILES.

454-V8, PS, PB, AC, FRONT AND REAR, VERY WELL CARED FOR, NEVER ABUSED. MUST BE SEEN TO BE APPRECIATED.

PERFECT FOR YOUR SECOND RIG OR FIRST AMBULANCE.

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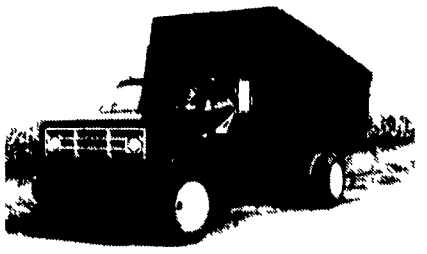
ANTICIPATED AVAILABILITY
MARCH 1991

1989 INT. 7 Ton 24' Gooseneck Tandem Axle Trailer With 5' Deck-Over, 16" Radial Tires, Adjustable Beaver Tail and Ramps. $3,900 OBO 609/267-8382

Must sell, 1987 Int. Loadstar 1800, 24' van box with rebuilt engine, truck in very good condition. One 1987 Ford Truck Tractor, 300 Cummins, 13 speed, 38 rears, Timkens, low miles, one owner. Also, 1973 Eager Beaver, 35 ton lowboy, 8.25x15 rubber tires. Call (717) 463-3701 and ask for Gerald Sr.



82 GMC, 366 Gas, 5 Speed, New Harsh Hoist, 14' Hostetler Grain Bed, New Paint, Runs Great, 24,000# GVW $8,500
Just Phone 717-667-3921 And Ask For Jim

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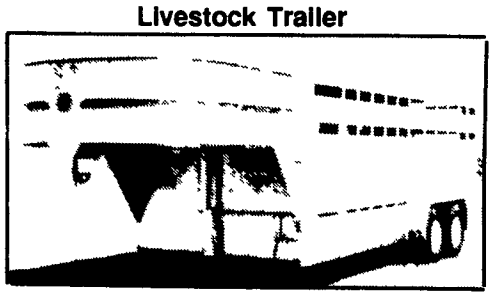

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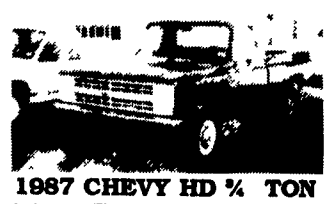

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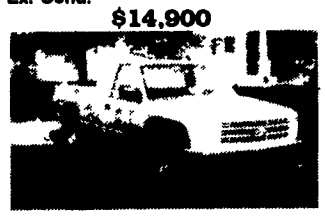

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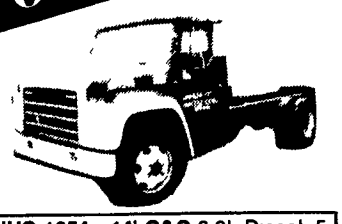

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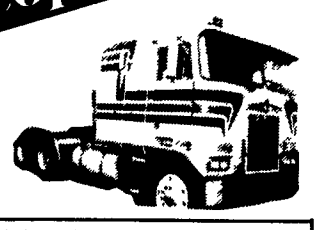

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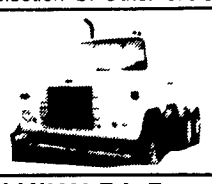

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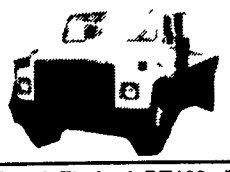

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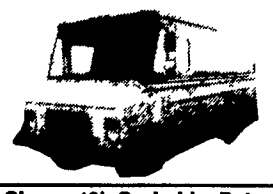

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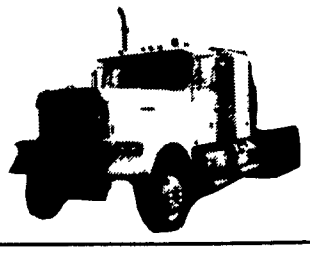

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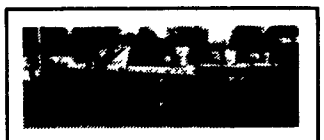

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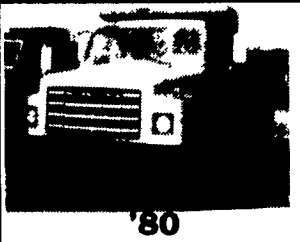

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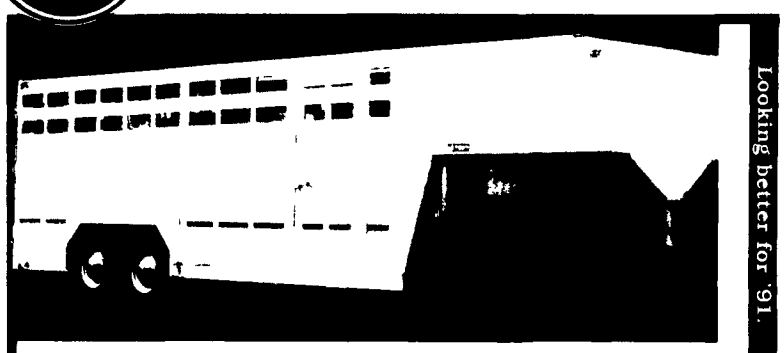

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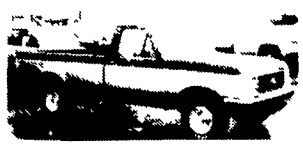

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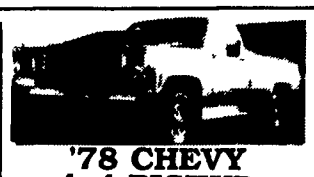

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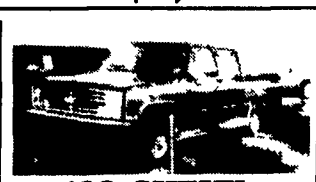

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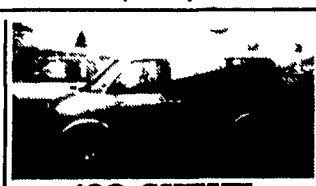

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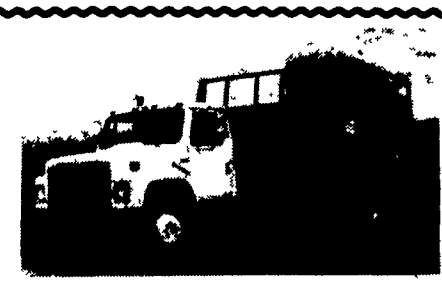

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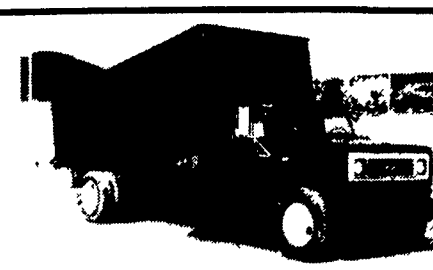

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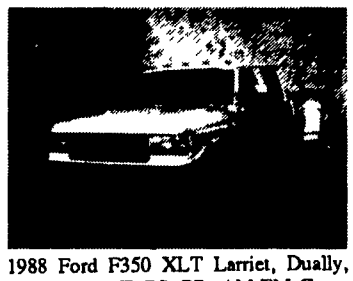

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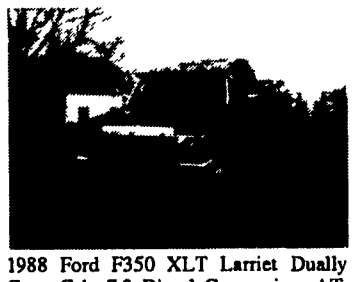

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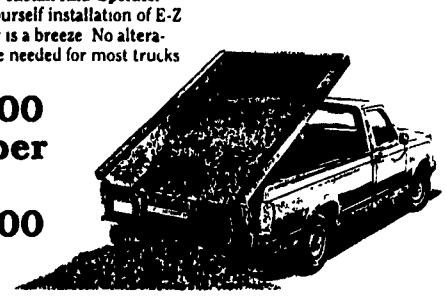

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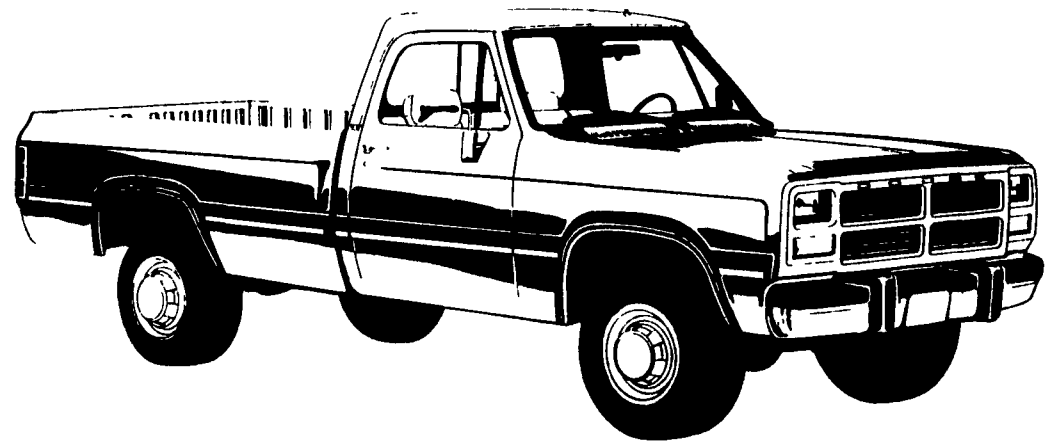

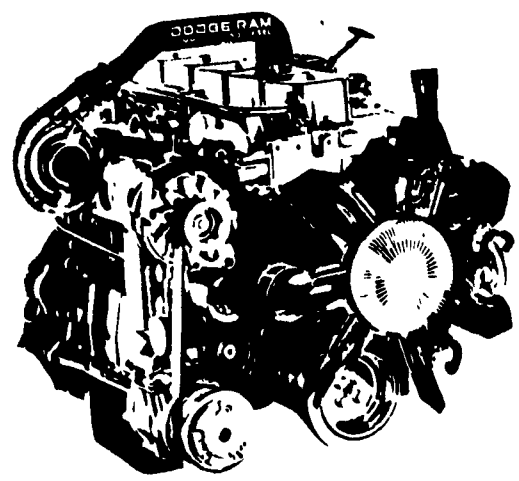

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5.9L Diesel Engine, Automatic, Two-Tone, Air Conditioning, Sliding Rear Window, Step Rear Bumper, 30 Gallon Fuel Tank, 8510 GVW, LT 235x16 Tires Including Spare
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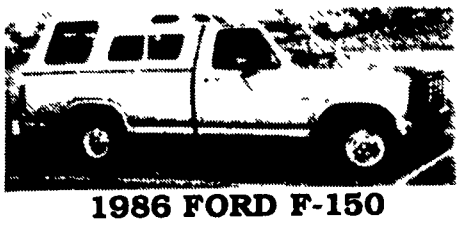

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Also 1986 F250 ¾ Ton AT
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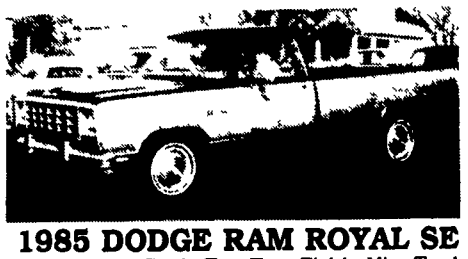
4 Cyl. Automatic, PS, PB, Tilt, Cruise, AM-FM Cass., 7 Passenger, Cloth Int., Two-Tone Silver/ Charcoal Finish
$7,850



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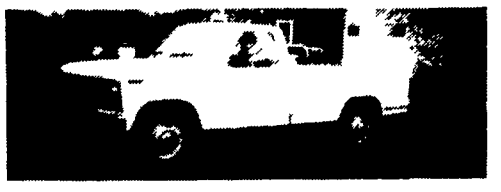
V8, Auto, Air Cond., Two-Tone Finish, Nice Truck
Only $3,250



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$3,850

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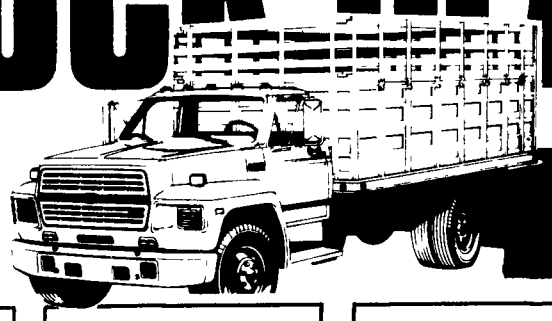

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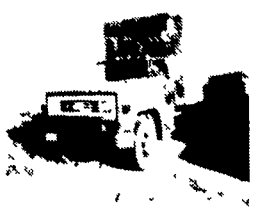

'78 CHEVY C-60
V8, 4 Spd., P. Steering, P. Brakes Van Body With Hydraulic Lift Gate, One Owner, Runs Fine 19,200 GVW #F4321A
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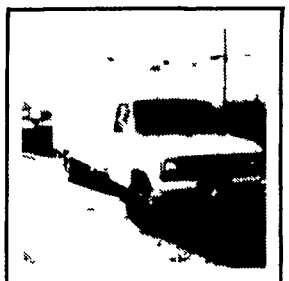

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351 V8, Auto, P. Steering, P. Brakes, Radio Dual Tanks, One Owner, Runs Good #3063A
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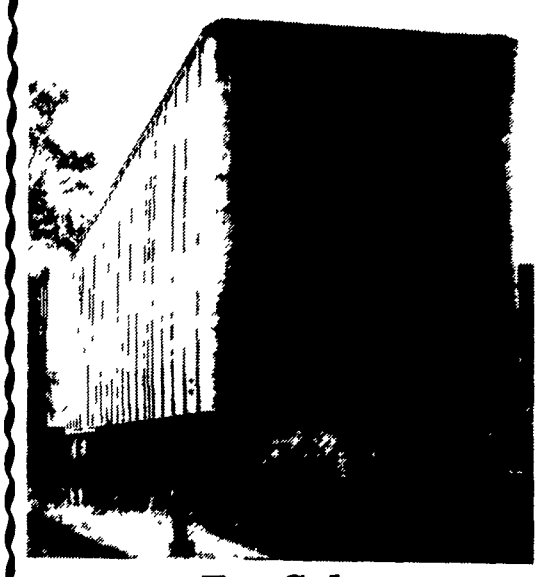

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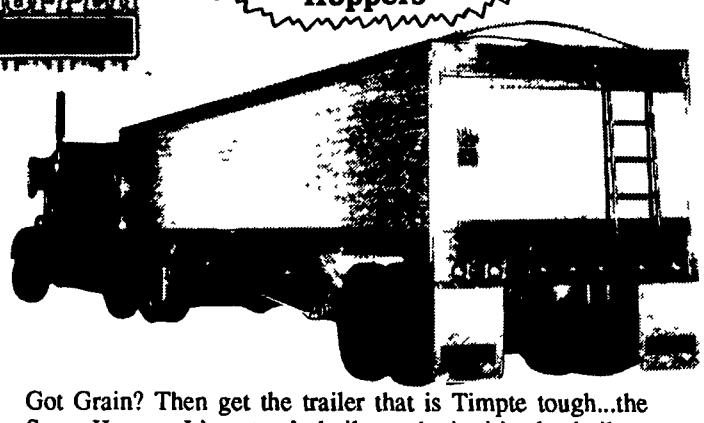

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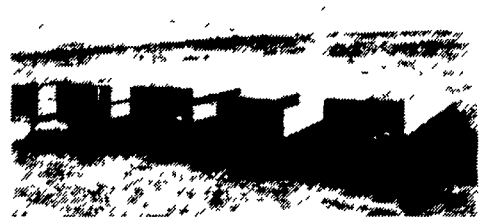

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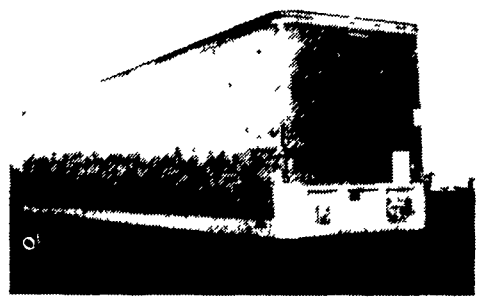
- (2) 1974 Transcraft, 40 Ft., Air Ride..... $2,250 Ea.
- (2) 1977 Trailmobile, 42 Ft.



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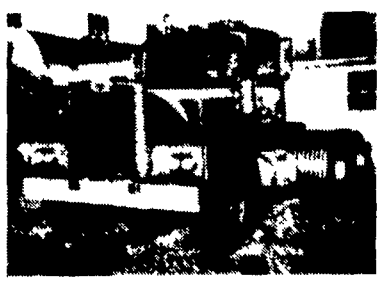

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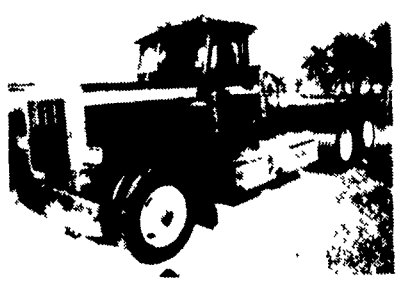

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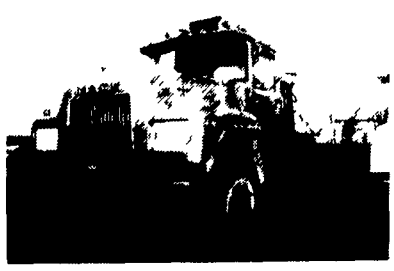

1979 MACK, R686S, 300 HP, 6 Speed, 34,000 Lb. Differential, Hvy. Duty Susp., Camel Back, PS, Air Ride Cab, Complete Wet Line, 20" Spoke

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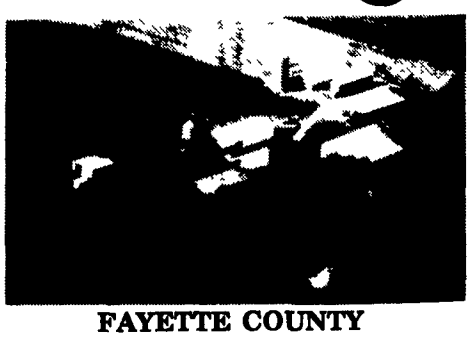

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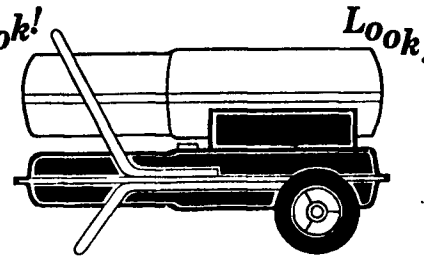

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East of Indiana, 2 miles from Rt. 422. 5 miles road frontage, gently sloping. NO steep hills. Too many buildings to list. Originally beef farm, changed to dairy farm. Development potential. 7 Harvestore silos. 40x600 bldg with 273 stalls. 2 mobile homes. 3 BR Farm House. $60,000 per year from gas wells. Possible $1.6 million assumable mortgage. Excellent investment. $2,500,000. Call Bob at (412) 794-2662 for details day or night.

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Grove City Road P. O. Box 493
Slippery Rock, PA 16057
Phone 412-794-2662

CABIN & PERMANENT HOME SITES JUNIATA and FRANKLIN COUNTIES 60 MI WEST of HARRISBURG, PA

8 to 10 acre parcels, half open half wooded, hard surface public road frontage with practically no traffic, secluded area, standard septic permits, $18,900 to $24,500.

45 acres, 3 acres wooded, small stream & pond, lot of public road frontage, some frontage has no traffic, excellent building site situated a good distance from main road on knoll with beautiful view of surrounding valley and mountains, $89,900.

2 – ½ acre parcels & 1 – ¾ acre parcel, all wooded, standard septic systems installed, very secluded with easy access, electric, access to STATE LANDS, all parcels join, $5,900 to $7,900, make offer on all or any two.

52 wooded acres, mostly on the mountain in some of the best hunting country in the area, very secluded, 4-W drive recommended, $37,500.

267 wooded acres, mostly gentle slopes, lot of level areas, small mountain stream, borders STATE GAME LANDS, excellent hunting area, can be subdivided, easy access, frontage on deadend road plus additional right-of-way, priced to sell at $167,500.

WORD OF CAUTION - Never buy undeveloped land unless the real estate agent guarantees, in the agreement of sale, all necessary building permits prior to settlement, you could be buying trouble.

BUY THROUGH THE PROFESSIONALS, WE SERVICE WHAT WE SELL:

LARRY LONG REAL ESTATE
RD#2 BOX 410
PORT ROYAL, PA 17082
PH: 717-527-4784-2576 or 2402,
CALL ANY TIME

36 REAL ESTATE

134 acre farm in Halifax area, Dauphin County. 2½ story home, barn and tractor shed. Needs some TLC! Great view. $199,900 plus costs, financing available. (1AF199) Contact: Andrew Fisher at Re/Max Realty Assoc. (717)362-8384 or (717)761-6300.

140 acres, Upper Dauphin County area, approximately 40 acres wooded, hard road frontage, $182,000 plus costs, financing available. (1AF182) Contact Andrew Fisher at Re/Max Realty Associates, (717)362-8384 or (717)761-6300.

152 acre farm, w/house, bank barn, out buildings, stream, private, peaceful, good hunting and views Needmore PA. $189,095 Call Cheryl at COLDWELL BANKER. 717-267-2000 or 717-263-8953.

1977 Skyline 12x60, 2BR, breakfast bar, covered porch, O.F.H.A. heat, skirting, good condition. Reduced to $5,900. 717-362-8384.

25 Acres wooded land, excellent hunting area, in Springfield Township, Huntingdon County. Call 717/987-3435.

65 acres between Millersville & Conestoga. 90% tillable farmland, beautiful building site, 360 degree views, ag zoning. $3,995/acre. Call (717)299-7080.

7+ Acre wood lot, level tract lot road frontage. Red Lion area. 717/244-1444.

8½ Acre Potter County property Approved for septic system, stream. Excellent hunting camp potential Call 717/786-1146

9+ ACRES of Heavely Wooded Mountain Land with deeded access to 100+ Acre Stocked Sportsmans LAKE Allegany Co NY -only minutes from POTTER CO, PA Great HUNTING area Full price ONLY $4900. -$500 down -$54 25 per mo -12.5% Int 180 mos Owner Financing Alma Pond F P 717-784-9022

BEDFORD COUNTY DAIRY FARM. 160 acres, 105 tillable, 20 pasture, 60 stalls, 2" pipeline, 800 gallon tank, 2 silos, 18x60, 16x60, heifer barn, machinery shed, workshop, 4BR home with new outdoor wood heater. All in good condition $265,000 814-623-9399

CLINTON COUNTY. Adjacent Bald Eagle State Forest Hard road frontage, easy access from 3mi I-80, 24 38 acres, sub-divided 6 parcials, perk approved w/ electric Generally flat, open fields, orchards and woods. Excellent deer, bear and turkey area $50,000/Terms. BIG WOODS LAND CO. 717-769-6445

CLINTON COUNTY· Very big 4,000 sq ft brick house plus attached 2-car garage, full basement 1 3 acres in country setting New structure but only partially finished Due to a death Potential for outstanding house $58,000 New Horizons Real Estate, Bellefonte Office, (814)355-8500 or State College office (814)231-8540

Farmland for RENT South of Millersville University, 100+ acres, for alfalfa farming ONLY Call Bill Murry, (717)569-0495.

"Florida Lifestyle"- Manuf housing, guaranteed, lot fee, homes starting in low "30's" including carport, screen room, storage shed, central H/A + many extras Brochure by return mail Whispering Pines, P O Box 422266, Kisimmee, FL 34742 Phone 1-800-848-8119.

ADAMS COUNTY

238 AC Modern Dairy - 200 free stalls
140 AC Orchard - Apples, Peaches
94 AC General Farm (with creek)
31 AC 3 Bedroom Rancher wooded and open
21 AC 2½ story remodeled (Nice)
50 AC Stone Home (Built 1813) part orchard
33 AC Stone Home (Built 1865) open and wooded
20 AC House and Barn (orchard)

CENTURY 21 NEIGHBORHOOD REALTY, INC.
1060 York Road
Gettysburg, PA 17325-7509
1-800-627-2824 Ext. 216

FARMS CUMBERLAND COUNTY

Hog and Beef Farm 1200 head hog growing operation with contractor, bank barn w/additions, 16x70 silo unloader, conveyors, 80' feeder, 78 Ac. limestone soil. 4 bdr. dwelling. Call Charles or Wib.

Dairy or Possible Development 61 acre limestone soil, no milking equipment, 16x60 silo w/unloader, 4 bdr. brick dwelling. Call for more details.

Charles Wenger, GRI, 263-0945
Wilbert Diehl 776-7707

GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

ADAMS COUNTY, PA

Your Own Big Red Barn Is Waiting At This 18 Acre Farm Just Minutes From Md. Enjoy The Fresh Scent Of Haystack...The Comfort Of An Old-Fashion 2 Story Brick Farm House w/3 BR. Give Yourself A New Start In The Country. L-6494-06/15

Pre-Civil War Hospital Farm. 140 Acres, Farm House, Bank Barn, 1 Mile Of Road Frontage. Near Rte. 15 & Md. Line. Prime Development Land. Endless Possibilities. L-6305-04

KEY REAL ESTATE
To Inquire About Any Of These Properties
717-334-8144

FOR SALE

200 Ac., 7 room brick house, large barn in South Christian Co., Ky.

79 Ac., 5 room brick home, Fairview, Ky Mennonite area.

272 Ac., cattle farm North of Hopkinsville, Ky 7 room house, and 4 barns.

For more details call or write

West Ky. Land & Auction Co.
1007 S. Virginia St.
Hopkinsville, Ky 42240
Phone: (502) 885-3117
Nights: Stanley Fritz (502) 886-4216
@ 7:00 or 8:00 P.M. Central Time

CENTRE COUNTY FARM FOR SALE

- 162 Acres, 125 tillable, 37 wooded
- Borders state game lands
- Rich, productive Hagerstown soil
- Spring fed pond
- Lovely, well-maintained 2 story home
- Centre Hall/Penns Valley Area
- Barn and several out buildings

OFFERED BY ERA/ BENCHMARK REALTY
814/237-5384

For Sale on MD Eastern Shore,

this well respected wholesale/retail greenhouse and nursery operation is located on 26.6 acres in one of MD's fastest growing areas minutes from Annapolis, Baltimore and Washington, DC. Facility includes 17,760 sq. ft. of biotherm heated greenhouses attached to 2,000 sq. ft. head house, (3) 16'x145' cold frames, and high volume deep well. Price includes inventory, improvements, i.e. irrigation pond, drip irrigation system, and greenhouse equipment. Excellent gross and income potential. Modern 3 BR house w/inground pool on 3 acres may be purchased separately.

Interested parties only, call
(301) 758-0100

LYCOMING COUNTY DAIRY FARM

410 Acres, 225 tillable, 125 pasture. Complete operating Dairy Farm. 175 freestalls with all the accessories.

Call Harry Zimmerman
Office: 717-299-4885
Home: 717-355-2048
Car: 717-575-2542
TOWN & COUNTRY REALTY

JUNIATA COUNTY FARM

53 acres (20 woodland) with road frontage. 5 bedroom house, 2 baths, 2 kitchens, 2 living rooms. Oil heat, insulated, aluminum siding. Bank barn, other outbuildings. Located Int. Rt. 74 & Rt. 75, near Port Royal.

Call
717-589-3827 or
717-463-2965

CENTRAL PENNSYLVANIA FARMS, FARMETTES, LAND AND CABINS

Our Farm and Land Division currently has many farms, farmettes, land parcels, and cabins available in central Pennsylvania. We would be happy to send you a free farm and farmette list and/or rural land and cabin list.

See the November 24 or December 29 issues for a complete farm and farmette inventory.

Farm and Land Division
Fred Strouse (814) 364-1705
Scott Yocum (814) 466-3150
Terry Gingher (814) 364-1169

KISSINGER LEONARD & BROWER Realtors
245 S. Allen St., State College, PA 16801
(814) 234-4000

NEW OPPORTUNITIES

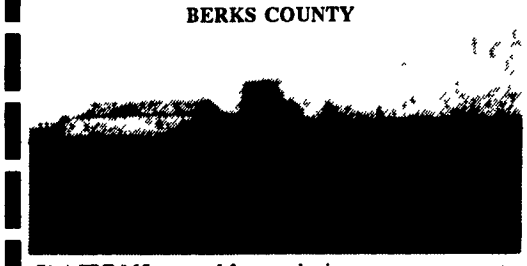
670 ACRES - BRADFORD CO.- dairy w/64 stanchions, 64 free stalls and room to build on. Excellent fertile farmland. Modern home in excellent condition. Pipeline, 2 bulk tanks, barn cleaner, excellent heifer & young stock facilities, 2 Harvestores and a star top unload. 2 houses and extra bldgs. Priced under 1,000.00 per acre. Owner retiring and ready for a new owner. Can be purchased w/stock & equipment.

LANC. COUNTY - 39 acre dairy in Ephrata area. Comfort stall farm and free stall, bunk feeder from silo. There is a shaving business doing approx. $50,000 gross per year. A great opportunity for a lg. family. Priced under $400,000. Reduced to under $370,000.

LYCOMING COUNTY - Vacant dairy farm with large barn with 64 stanchions, 4BR 2 story house. Just reduced $20,000.

Sanford G. Leaman
717-393-BIDS

BERKS COUNTY



71 ACRE M/L general farm with picturesque, private setting. Ideal for vegetable farm, Christmas tree farm, horses, steers, or sheep. We invite you to inspect this fine property to consider the possibilities. ASK FOR Ed Meyer for details and free brochure.

~~$250,000~~ Price Reduced To $235,000

JACK Gaughen REALTOR
1068 Harrisburg Pike
Carlisle, PA 17013
717-243-8080 Office
717-243-1030 Home
CLIP & SAVE THIS AD!

This home has lots of extras you wouldn't expect to find in a small hamlet in northern Tioga County - heated inground pool, satellite dish, sauna room, custom kitchen, hot tub, more! Perfect retirement spot - enjoy the finer things in life with all the features this home offers. Only $89,500.

BEARD REAL ESTATE
403 E. Main St., Elkland, PA 16920
(814) 258-7117
Eric L. Beard, Broker
Mary C. Heitzenrater, Sales Associate

FARM FOR SALE

SUBURBAN REALTY
FARM DIVISION
30 W. Main St.
Annville, PA 17003
717-867-4487

Game Preserve For Sale Western Pennsylvania
340 acres, propagation license, 175 acres fenced with 8 ft box fencing, 10 acres lake, includes 100 animals, jeep trails, $400,000 Free brochure
Call
Nelson L. Ebersole
717-867-4487

WRITE OR CALL FOR BROCHURE OR FARMS & LAND.

LOOKING FOR FARMLAND? CALL US!

A 198-acre dairy farm for sale at $465,000. This farm features loose housing for a 125-head milking herd, 3 Harvestore silos and 1 concrete stave silo, electronic scales, computer concentrate feeder, double 5 Herringbone milking system, and outbuildings.

We also have the following properties·

113-ACRE dairy farm — $128,500. 93 tillable, 2 silos, excellent cropping potential, 3-bedroom house.

180 ACRES — $155,000 General farm, 120 acres tillable, 3-bedroom house.

170 ACRES — $300,000. This farm has coal, gas, and clay for fire brick. Great investment potential.

190 ACRES — $325,000. House listed in Historic Register.

concept 100
Mark Hess at Concept 100 Real Estate
717-569-5500 or 717-291-9600

This beautifully restored log home is in a quiet country setting on a 128 acre dairy farm. Would also be ideal for horses and has subdivision possibilities. Call Lena at 687-0599 to see this lovely property.

OLDE TOWNE Realty, Inc.
687-0599
33 West Main Street, Strasburg, PA

105 ACRE SNYDER CO. FARM

Neat 2 story 4 BR brick house in good condition. 97 acres in high state of cultivation. Bank barn, several equipment buildings, corn crib. Strong water supply. Artesian well. 2 springs w/pond site. Good location for your new broiler or turkey operation. Priced under $2,000 per acre. Spring possession.

Contact: Charlie Brooks

DENNIS E. BECK REAL ESTATE

Office: 717-627-2325 Home: 717-436-8431 (Anytime)

EXCELLENT FARM OPPORTUNITY CHECK BEFORE YOU BUY!

92 acres with a beautiful 4 bdr. 2 story house. Large frame barn in excellent condition with slate roof and a 14x70 cement stave silo. 3000' of frontage. Only $545,000.

Mini farm with 4 acres and a 10 yr. old beautiful stone house with small barn and silo. Located South of Quarryville. Only $210,000.

Town & Country REALTY

250 N DUKE STREET
LANCASTER PA 17602

Call Clarence Wenger

Office (717) 299-4885
Home (717) 284-4423

COME LOOK AT FARMS WITH US!

#993 - For the person wanting a private secluded location, dead-end road, only place on road. School bus to the door, town maintains road. A very nice 300 acre farm for dairy or beef. Recently new two story barn for 80 cows, pipeline, bulk tank, two concrete silos, 10 room home, machinery building, reasonable priced $225,000. Possible large mortgage to qualified buyer.

#1100 - SHOWPLACE FARM - exceptionally attractive location, good farming area, brick colonial home in excellent repair. Large two story 70 tie stall dairy barn with heifer area; two big silos; machinery building. Land is very productive. Priced very reasonable. $265,000. Top registered herd and equipment available.

#879 - Family Farm & Freestall. 100 cow freestall, automatic feeding from 3 big silos, double 4 parlor, grain feeders in parlor, heifer and dry cow barns, machinery bldg., very nice 8 room home. Located on quiet road with buildings on same side of road. 188 acres, gently rolling land, well drained productive soils, mostly all tillable. You'll like this farm, located in top farming area, close to college & shopping. Asking $270,000.

#1101 - For the young farmer wanting an exceptionally nice tie stall barn. Two story barn large hay storage, drive-in second story, 100 big tie stalls on Surge 2" pipeline, 8 units, 1500 gal. tank. Three big silos, feed stationary complete ration mixer. Slurrystore manure system. Barn is in like new condition, heifer barn, machinery barn, 8 room home. 250 acres of land. A great place to raise kids. End of road setting. If you have your cattle and equipment paid for, you can buy this farm. Asking $297,000.

If you are looking for that great buy or that special farm try our agency! We are continually looking for and listing these kind of farms. We recently sold a farm to a family that had been looking off and on for nine years for that special farm, needless to say they are very happy. Please call in advance of your coming as we are making appointments ahead and are generally on the road if you should just drive in. We wouldn't want to miss you.

Call for appointment
Dick Posson, Broker - (607) 334-9727

POSSON REALTY
R.D. #3 Norwich, N.Y. 13815
(607) 334-9727

MIFFLIN COUNTY - NEW LISTING:

River Front Lots On The Juniata River. Lot sizes range from one to three acres. Enjoy fishing on the restored Pennsylvania Canal and the nationally publicized Juniata River. State game lands for hunting is within fifteen minutes.

This Unique Second or Primary Home Development is also within fifteen minutes of Ski-Snow Peak, thirty minutes of Penn State, and forty-five minutes of Raystown Lake.

All Lots Have Underground electric-telephone-television cable with on-site approved well and septic. Prices start at $6900.00; Financing is available at 10% down with 11½ % interest for 60 months.

Fall and Winter Special: selected lots reduced by 25% Call Now!

717-248-3973 (Days) or 248-9490 (Eve).
Make an appointment now to visit our model home which may be purchased at a reduced winter price, lot included.

TIOGA COUNTY

30 acres, stream frontage, mountain spring water, near quiet town of Wellsboro. $32,500 #1108.

16.7 acres mostly wooded, spring water, septic system on property. $25,000 #1065.

Farmette with approx. 25.6 acres in Richmond Twp., 3 bdrm home, mostly remodeled, bank barn & outbldgs. $65,000 #1110.

Kock REAL ESTATE

9 Cone Street
Wellsboro, PA 16901
717-724-3500

Finger Lakes- Long Growing Season

New 1985 - 62 tie stalls - 64 acres rents adjoining 150 more. Two homes one new. A dandy $228,000.

86 Acre Farmette - outbuildings, excellent home, own gas well, a gem $120,000.

130 Acre Crop Farm silo/pole barn, nice brick home $185,000.

100 Acres - Outstanding home $125,000

Farrow to finish hog operation - 300 acres 1000 head finishing barn, includes hog inventory. Call.

Wholesale Greenhouse Operation 7 greenhouses, 80 acres brick home, outbuildings will divide.

Best of Soils 133 acre dairy, 2 silos, heifer barn, beautiful brick home $250,000.

Land Only Will divide 1400/acre parcel. 111 acres, creek, open/wooded asking $75,000.

Send for farm listings catalog

WJW Real Estate
Seneca Falls, New York
A.J. Farney Associate Broker
315-568-9534 315-568-5910

So. Northumberland Co. & Surrounding Counties

20 acre farmette, large 4 bdr. home in good repair, large bank barn, machine sheds, drive thru corn crib Rent Option or No Down

Large diversified operation.
Hogs, cattle, layers, modern buildings w/ manure pits, large machine sheds & shop, 2 good homes & trailer pad. 174 acres, 155 tillable. Possible Owner Financing. $325,000.

160 acres, no buildings Timber, farmland & streams Can be divided. $1,500/acre. Owner Financing Available

86 acres, 4 bedroom log home & well maintained trailer 30 acres farmland, balance wooded $100,000

Snyder County: 3 acre farmette, 3 bdr. 90 year old home- in excellent condition, 1½ baths, fireplace, in-ground pool & barn. Beautifully landscaped. Located on a side road. $155,000.

300 steer feedlot, 3 Harvestores, 8 acres newly fenced Owner financing. $77,000.

20 acre farmette, 4 bedroom home, nice barn, plus outbuildings, stream & large pond. $139,000.

75 acres level prime farmland. $150,000.

300 acres approved sub-division, city sewage. Excellent owner financing possible. $900,000.

140 acres dairy farm w/64 modern stanchion barn, heifer barn, 2 Harvestores & 1 stave silo 3 bdr remodeled home, private, excellent location. $600,000

100 acres, 60 tillable, 25 pasture, balance wooded, streams, no buildings. No Down or Rent Option $140,000.

47 acres, mostly clear farm land, stream thru, excellent for Christmas trees. No Down or Rent Option $69,000

PETER B. **CORTELYOU**
Real Estate Herndon, PA 17830
Peter B. Cortelyou, Broker 717-758-9177

Farmette - 3.7 A Near Spring Run

Large Frame House, comb. barn and shop, nice view, priced at only $65,000.00.

General Farm - 130 acres good hunters farm near state land. Buildings, poor condition. Near Dolyesburg.

Mosemann Real Estate
Call James Marsh
717-529-2678

NORTHERN IOWA FARMS

318 acres, 273 tillable, farrow to finish facilities, milking parlor, 3 Harvestore silos, 76 free stall barns, could feed cattle in place of dairy. Nice 3 BR ranch style home. Contract.

254 acres, 225 tillable. Grain and livestock. 2 nice homes. Excellent hog and cattle facilities. 4 Harvestore silos. 90 CSR, drying bin, extra land to rent nearby. Cash or cash to contract.

200 Acres, 193.5 tillable, 83 CSR. Nice home. 2 silos, good usable buildings. Contract.

120 Acres, 3 Br ranch home, 2 silos, Cargill hog type finishing unit, cattle shed, grain dryer and storage.

340 Acres, 39.8 acres in CRP, 261.9 tillable. Good home. Drying bin. 2 silos. Many good useful buildings. A long contract.

Squier Real Estate
729 Main Street, Osage, IA 50461
515/732-5790 Day or night

VALLEY VIEW REALTY

Cobleskill, NY

HERE'S ONE TO CHECK OUT: Herkimer County. 230 acres, 130+ tillable. Very good 50 cow barn with 2" pipeline. Attractive 10 room home with inground pool. $215,000. C/E available. F216.

100+ FREE STALL FARM in Otsego County. Drive thru feed bunk, Dbl. 6 parlor. Several silos. Ranch style home. 250 acres. 210 tillable level alfalfa acres right by the barn. Should see this one for $310,000. F314

THIS IS THE BARGAIN FOR ANYONE looking for an 80+ cow tie stall barn. Excellent 2 story barn with TMR feeding system. 1500 gal. tank. 3 Harvestores plus Slurrystore. Good 2 story 8 room home. Heated shop. 270 acres. Beautiful setting in strong dairy area. Only $295,000. Call today for details. F384

WE HAVE MANY MORE FREE CATALOGS
Info or appointments
GARY MILEWSKI Lic. Sales Agent
315-822-5223

Wanted To Purchase:

Dairy farms any size, anywhere, Call Keith

(717) 252-2385

LEROY HIBBS REAL ESTATE
(717) 837-0265

SNYDER COUNTY FARMS

- **30 Ac. good hunting woodland $29,900**
- **11 Ac. house & pole barn, stream $73,900**
- **28 Ac. mod & mobile horse barn $95,900**
- **45 Ac. Pond, timber 4 BR house $128,900**
- **67 Ac. 4 BR house, barn, 38 till. $125,000**
- **31 Ac. Hog Farm, 4 BR house $150,000**

YOUR FORTUNE BEGINS HERE

5+ Acre beautiful manicured pines, many unusual and ornamental trees are home to the elves (I heard them sing) A pond for gold fish Walk Upon Bridge Exceptional for Landscape business, veterinarian, oriental restaurant, sub division

Tip Toe close to busy arteries

Call 215/562-7318

Union County

83 Acres, M/L all tillable Exceptional 6 BR log house, bank barn and large metal buildings

Snyder County

170 Acres, M/L 100 acres tillable fertile creek bottom land 2½ story, 4 bedroom home, bank barn, exceptional operation

80 Acres, M/L 57 tillable, 2½ story, 5 bedroom home, bank barn, pond, fruit orchard, horseman's delight

15 Acres, M/L, 2½ story 3 BR home, barn, pond, woods and pasture Ideal for horses $78,500

RE/MAX Integrity Real Estate
717-837-1061
717-966-3851

BETHEL TOWNSHIP...

300 PLUS ACRES... Very large tract of land just inside Berks County. Borders on Route 501 and is just south of Route 78.

RICH BRANDT FARM REAL ESTATE
2033 Penn Avenue, West Lawn
Reading, PA 19609
(717) 274-3622 - office - (215) 678-1122

— FARM FOR SALE —

125 Acre farm located in Lycoming County near Williamsport, Pa. River bottom soils with approximately 90 acres tillable. Buildings consist of two dwellings, main barn with milking parlor, five Harvestore silos and an all metal equipment shed.

Call Bob Jones at
717-523-1201

CABIN FOR RENT

Mountain Cabin McClure, Pa., Mifflin County on 315 acres, utilities. Great for families, hikers, turkey, bear & deer hunters $150/Weekly

717-658-9555

IOWA FARMS

Cattle Ranch - 1809 acres improved pasture with good fencing, house, water and cattle facilities. $325 per acre.

Hog Farm - 80 acres farrow to finish hog farm with raised crates and full facilities. Fully equipped with 3000 sq. ft. home.

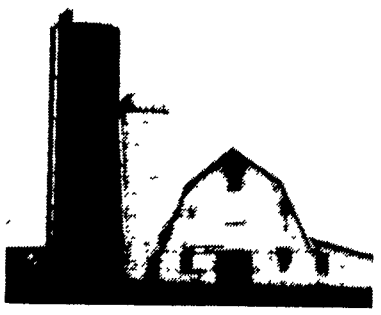
FARMLAND NEWSLETTER - Farm property newsletter with more than 100 farms for sale. Member Iowa Farm Multiple.

Hertz Farm Management, Inc.
P.O. Box 500
Nevada, Iowa 50201
515-382-6596 or
1-800-593-5263

Farm and Home

Located in Eastern Lehigh Valley, recently used as chicken farm, also suitable for veal, pig, or mushroom farm. Property includes 6 year old home w/4 BR, store front, walk-in coolers, butcher room, power house, w/3 phase 220-150 amp service. In-law apt. w/ private entrance. Asking $269,900.

REALTY WORLD
NORTHGATE
1636 Washington St.
Easton, PA 18042
(215) 559-0700



For Sale - Dairy Farm Of 133 A, well maintained buildings, good well and pressure system, silos, early farm with good land, Large 2½ story house, built in 1800's, handcrafted stairway, gas heat, contains 13 rooms, two bath rooms, screened in porch. Large heifer barn not on picture.

Newark, N.Y.
Call 717-354-9226

WIMPLE ASSOCIATES

MILK 800 COWS in very modern facilities on this 1060 acre farm with 900 acres tillable. Large, level fields. Tremendous set of free stall barns with huge bunkers. 5 homes, 3 mobile homes, swimming pool, tennis courts. Bank appraised at $1,856,000 JUST LISTED! $1,300,000 with cattle & equipment available.

SOLID FAMILY FARM: 225 acres in the heart of Mohawk Valley farm country; 179 tillable. Very nice hip roof barn painted white with 51 stalls on 2" pipeline, 800 gallon tank and 20x60 silo. Impressive 10 room Victorian home with pretty woodwork and small apartment. Price right at $190,000.

630 ACRE FREE STALL with 300 acres tillable. Gently rolling adjoining fields. Very good 100 cow free stall with bunk in center, 5 large silos. Tool and grain storage barn. 40x110 heifer barn with ell. Nicely remodeled 7 room home with modern kitchen. $400,000 with cattle and equipment available.

MORT WIMPLE ASSOCIATES
SLOANSVILLE, N.Y.
518-875-6355
FAX: 875-6749
NEW FREE DAIRY CATALOGUES

BEAUTIFUL FINGER LAKES AREA

DAIRY FARM 772 ACRES, 420 acs. til , main barn, 300x50, 190 freestall, double eight milking parlor, 144x40 heifer barn w/36x36 calf area, 8 silos, 2 slurry tanks, 5 homes, mobile home, turn key operation #3022.

480 ACRE DAIRY FARM, 400 acs tillable, bal pasture, forest, newer 42x220 main barn, 120 freestall, milking parlor, 1200 gallon bulk tank, 40x70 basement barn, 70x50x60 hiefer barn w/storage area, shop, machine shed, silo, bunk silo, cattle & machinery, spacious 14 rm. home, $750,000. #3088

WEST UNION, Rexville, 150 acre farm, 70 acs til , 60 acs forest, main barn 40x60 w/40x60 metal barn, 30 stanchions, bulk tank, silo, 30x65 pole barn, shed, 2 story 3 bdrm home, $98,500. #3068.

HORSE TRAINING & BOARDING STABLES, 240 acs, 175 acs. til., ½ mile regulation stonedust track, professional barn, 38x120, 20 stalls, bathing rm, feed rm, office. Treadmill barn, 40x44 barn, 5 stalls, pole barn, run in pens, paddocks w/run in shed, heated foundations, shop, large 2 story home, 5 bdrms , 2 baths, kitchen dining rm, living rm, many extras, $385,000 #3086 Also smaller boarding stables available.

DAIRY/CASH CROP/BEEF FARMS, FARMETTES, HORSE FARMS, ACREAGE, LAKE HOMES, CHALET, HOMES.

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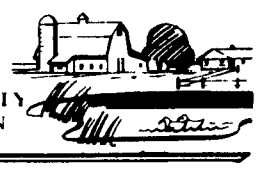
Residence: (814) 422-8111
KENNETH L. HALL ,
Residence: (814) 387-6273
ROBERT A CONNOLLY
Residence: (814) 383-4336

FARM & RURAL PROPERTY DIVISION



CENTRAL PENNSYLVANIA FARMS AND FARMETTES

CENTRE COUNTY

#4823FA -GENERAL FARM SPRING MILLS AREA $229,500
* Approximately 130A, 35A tillable, 65A pasture, 13A woodland, 15A steep land and brush, 2A site area
* 2½ story brick home built in the early 1800 s ideal for restoration, summer kitchen, 2 sound implement sheds, corn crib and a sound foundation for another building
* The house is ideal for potential use as a bed and breakfast There is substantial frontage on Penns Creek and approx 83A of the land has outstanding views of Penns Valley This farm also has substantial subdivision potential

#2473 FB GENTLEMAN FARM, STATE COLLEGE - $350,000
* 26 Acres - 24 Acres highly productive, tillable plus 2 acres site
* 2½ story brick house with 3 finished floors and new cherry kitchen, and 2 story bank barn
* Ideal for horses, only 3 miles from town

#3637FA-GREENHOUSE OPERATION CENTER HALL AREA $164,500
* 7 22 acres substantial road frontage on Route 144, substantial Sinking Creek frontage
* Approximately 10,900 square feet of greenhouse area plus headhouses and a sound 2½ story home
* This business has a very well established local trade approximately 14 miles east of State College This property has been well cared for and is in good condition

HUNTINGDON COUNTY

#3621FA - GENERAL FARM, WARRIORS MARK AREA $310,000
* Approx 371 Acres (131 acres tillable, 218 acres woodland suitable for clearing, 2 acres site, 20 acres woodland & misc)
* 2½ story house w/most rooms remodeled
* Soils on tillable land are primarily Hublersburg silt loam & Morrison sandy loam 218 acres of woodland suitable for clearing & farming are mostly Hublersburg silt loam, 2-8% slope Hublersburg & Morrison both have excellent productivity potential

#134 FA - RIVER BOTTOM LAND - ALEXANDRIA AREA - $99,500
* 55+ Acres (45 6 tillable, highly productive)
* Ideal for truck cropping and irrigation
* Situated in an excellent location for direct (roadside) marketing

LYCOMING COUNTY

#3493 FA GENERAL VEGETABLE OR DAIRY RIVER BOTTOM FARM - WILLIAMSPORT - $175,000.00. Available w/Farmette Below For $200,000 TOTAL
* Approx 112 Acres (89 acres tillable, 16 acres pasture 7 acres site & miscellaneous)
* 2½ story frame house, barn w/milking parlor, free stall barn 2-20x60 & 2-20x30 Harvestore silos 42'x96' implement shed w/shop area 40'x60' retail sales building
* Highly productive, river-bottom land, Susquehanna river frontage for irrigation Good growing season Available with farmette below

#3493 FA FARMETTE, WILLIAMSPORT AREA - $69,500.00.
* Approx 10 acres (7 acres tillable, 3 acres site)
* Comfortable 2½ story brick farmhouse, 2 story bank barn, garage, 20'x50' Harvestore silo
* Situated in a rural area close to Williamsport

DETAILED BROCHURES ARE AVAILABLE FOR EACH OF THE LISTINGS ABOVE. MANY 10 ACRE TO 400 ACRE WOODED TRACTS AVAILABLE IDEAL FOR CABINS AND HUNTING - FREE LISTS.

Pay No Capital Gains with a Tax-Free Exchange.

Investors large or small can take advantage of paying

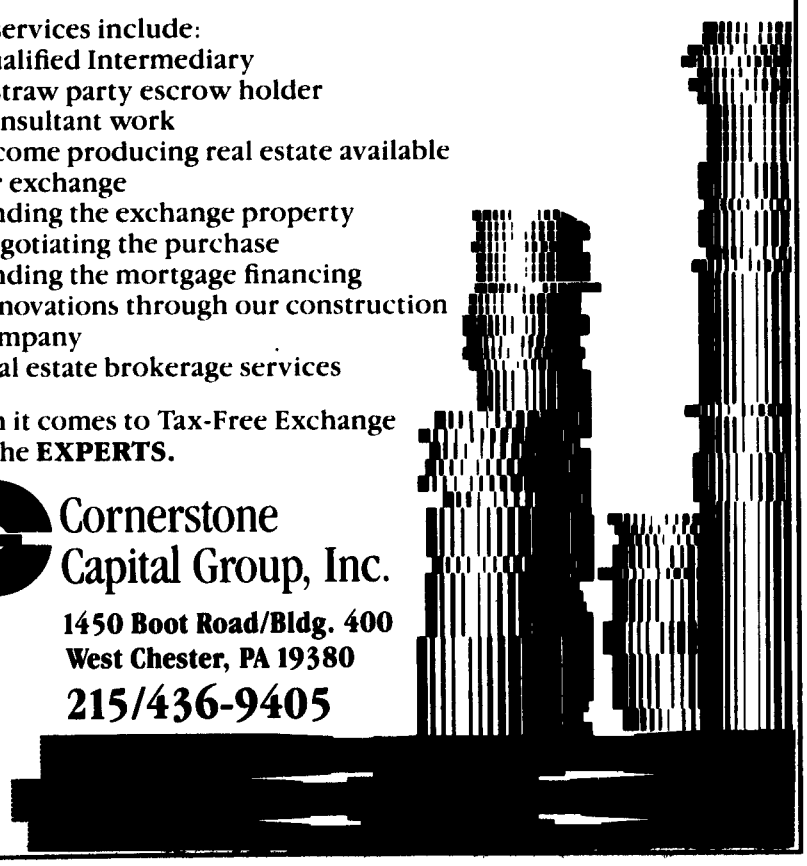
NO CAPITAL GAINS TAX

when selling land or an investment property.

Cornerstone Capital Group has been specializing in this area for many years and can be instrumental in facilitating the successful completion of your real estate swap.

Our services include:
- Qualified Intermediary
- A straw party escrow holder
- Consultant work
- Income producing real estate available for exchange
- Finding the exchange property
- Negotiating the purchase
- Finding the mortgage financing
- Renovations through our construction company
- Real estate brokerage services

When it comes to Tax-Free Exchange call the **EXPERTS.**



Cornerstone Capital Group, Inc.
1450 Boot Road/Bldg. 400
West Chester, PA 19380
215/436-9405

BEAUTIFUL FARMETTE

On +/- 10.290 Acres. Split-level, 4 bdr. house w/large living room. Exceptional views surround th's lovely parcel! Two barns: (1) small barn orginally used for milking small herd of dairy cows and (1) large pole barn for hay storage, horses, etc. Located on a paved State Road, within 6 mi. of Mansfield University, perfect for a horse farm, small dairy operation or retirement farmette. House only 20 yrs. old, $95,900 Firm.

Also, within ½ mi. of this farm is an additional +/- 30 acres, to be used specifically for agricultural or recreational use with roughly 25 acres of tillable pasture and 5 acres of woods, this parcel will make a superb addition to the farmette. $29,900

You must see these two parcels to appreciate them. Call today to set an appointment to see your new farmette!

WILKINSON DUNN CO.
113 W. Main St. Elkland, PA 16920
814/258-5127
David S. Cox
Pamela M. Cox 717/376-2184

UPSTATE NEW YORK BEAUTIFUL FINGER LAKES AREA

260 acres - Main barn 38x80 - pole barn 70x100 - pole barn 80x90 - bunker silo 40x100 - 3 Harvestores - 12 room home - 2 baths - basement - new furnace.

212 acres - barn with room for 50 ties - silo - 2 pole barns - 15 acres of alfalfa - 30 acres just seeded - 2½ miles of 8 strand fence - soil Organic Certified - 9 room home with large kitchen - lots of counter space - built in oven - basement - oil furnace - forced hot air.

103 acres - 36x90 barn with new roof - level land - very good 11 room home with bath and furnace.

Garage - Auto sales- Auto Repair - Auto supply - hardware.

Retirement Homes. Call Anytime.

16 room 3 story plus full basement - 4 fireplaces - 4 baths - live stream with fish - water fall - carriage barn with gift shop - 8 acres of beautiful grounds.

J.R. ALLEN, BROKER
RD #2 Dundee, N.Y.
607-292-3180

FOR SALE

240 acre farm;
184 acre farm;
119 acre farm;
124 acre farm;
123 acre farm;
814-267-5248

FOR SALE

107 Acre Farm
Lancaster County
100+ Steers
100+ Hogs
Pond Good Buildings
5 BR Home
Call
Dave Skidmore
717-393-0646
Hogan & Assoc.

The Prudential

Stewart Real Estate
47 West Pomfret Street
Carlisle, PA 17013
(717) 245-9393

An Independently Owned and Operated Member of the Prudential Real Estate Affiliates, Inc.

Cumberland County, PA - 590 acre farm for dairy, livestock or horse production. Highly productive soils contoured and stripped. 180 acres fenced pasture, some wood land and a 5 acre lake. Modern dairy barn, original bank barn, 52'x52' Morton building and modern 3 bedroom limestone house. Call Mark Bucher (717) 776-3073.

The Prudential, You Know Us, We Know Real Estate

THE

REAL ESTATERS OF MANSFIELD

1671 S. Main St., Mansfield, PA 16933
(717) 662-2138
Evening - 662-2363
Fax (717) 662-3611

NEW FARM LISTING

Set up for 61 mature holsteins on 2" s.s. pipeline, 1,000 gallon tank and 5 Surge units included! 18x55 stave, 20x28 high moisture and 20x70 Agristore silos w/ unloaders. 132 acres included w/rental land available. 2 story frame, 5 bdrm, 2 bath home remodeled down. Recently priced at $163,500. Reduced to $153,500 w/immediate or Spring possession! 18,000 pound herd also available. M-787.

JUST LISTED

Approx. 188 acre dairy farm set up for 40 Jerseys. 2 rows head to head on 1½ " S.S. pipeline. Unusual milking system w/4 milkers and 625 gallon bulk tank included. Heifer barn, pond and stream. 4 bdrm., partially remodeledl, 2 story home. Just $156,900. Will sell less 34 acres for $139,900. M-800.

GENTLEMANS FARM PRICE REDUCED!!

On this mini farm south of Liberty in Jackson Twp. 23.65 surveyed acres, 2 story, 3 bdrm, 1¾ bath home with attached 2 car garage. 32x188 and 36x216 barns attached by 40x60 building. Would convert to many uses. Long views, paved road. WAS $99,500, REDUCED TO $94,900. Immediate possession available. $84,900 without barns. M-716. All Offers Considered! Lycoming County.

REAL ESTATE INVESTMENT. 123 acre tree farm with 3-4 BR, 1½ bath ranch house, lodge, barn and 2 ponds 1 car attached garage $195,000 M-397

TRI-LAKES MARINA. Located between Tioga/Hammond/Cowanesque Lakes with 4 BR home Call for details $130,000. M-410

REDUCED-REDUCED-REDUCED. Unique 2-story, high quality home. Ideally located in Mansfield. 4 BR, 1½ bath, heated garage on 1.2 level ac. Also 2-sty barn (insulated & rewired), shed, fruit trees & vines New furnace. Hardwood floors throughout & beautiful woodwork Lots more! Call for an appt. Price reduced to sell! $109,500. M-444

TIOGA HAMMOND DAM AREA. Roomy 3 BR A-frame with 2 decks, kitchen appliances, full basement w/garage. Economical wood furnace All on 8 secluded ac. Convenient to town and recreational areas. $69,500. M-456

ERA Homestead Realty
Rt. 15 S. P.O. Box 276
Mansfield, PA 16933
(717) 662-3287

AMBITIOUS FARMERS WANTED for this once in a lifetime offering. Three (3) farmhouses in live-in condition, on 351 beautifully sculptured ac with unheard of road frontage. 40x226 dairy barn, outbuildings, 2 ponds & many springs in sought after Canyon area. Minutes from Wellsboro. Watch the land's value grow faster than the crops, and without fertilizer. CALL TODAY. $387,000. W-571

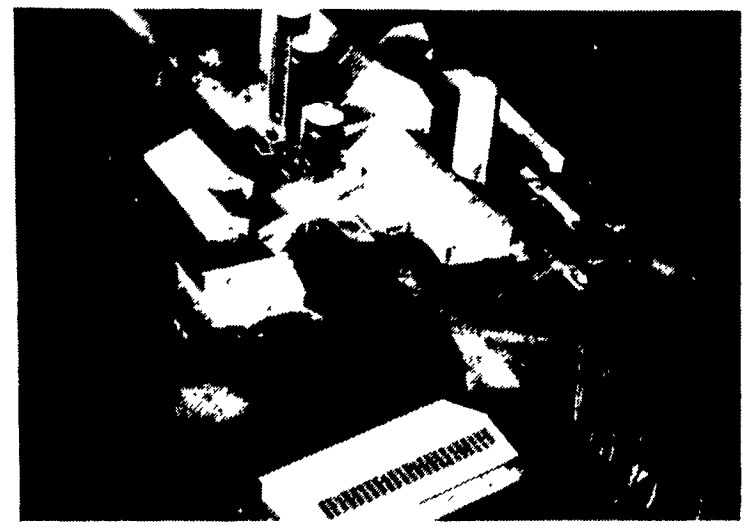
A CENTURY OF LIVNG IN THIS gracious colonial on approximately 136 scenic ac. Several barns for cattle, sheep or horses and a small pond. Extraordinary views of the mountains surrounding PA's Grand Canyon. $159,900. W-648

OVERLOOKING HAMILTON LAKE - Over an ac. in Charleston Twp. with municipal sewer. Great views on black top road. Just listed at $ 2,500. W-656

LOSE WEIGHT and make money with all the equipment for a complete toning, tanning and wrapping salon. Established business with good income. All this only $32,500. W-662

ERA Homestead Realty
23 E. Ave.
Wellsboro, PA 16901
(717) 724-7161

FREE LISTING OF PROPERTIES
CALL OR WRITE



LANCASTER COUNTY

(Close to Chester Co. Line)

120 Acre Dairy Farm - choice soils - topography suitable for many uses. 56 comfort stalls, 19 free stalls. New 1500 gallon milk tank. 4 silos, manure lagoon, new heifer barn, 2½ story stone house w/ modern facilities, 4 bedrooms, 2 baths, attached garage, etc.

DRAMATIC PRICE REDUCTION FOR QUICK SALE

Seller has purchased large farm out of state.

Huge Stone House - 7 bedrooms, 3½ baths, large bank barn and workshop, large farm pond, all on 8 acres (more land available) Near exit 21 of PA Turnpike.

ALSO:
Chester Co. - "Horse Country"

53 ACRE MODERN DAIRY w/50 comfort stalls and gravity flow manure system - pipeline - bulk tank - 3 silos, etc. Large Farm House 6 BR Modern kitchen and 2 baths - big pond - must see!!!!

CALL TODAY FOR DETAILS ON THESE AND MANY OTHER FARMS

MAHLON OBERHOLTZER AGENCY

Your Central PA Farm Broker
Smoketown, PA 17576 (Lanc. Co.)
717-392-1177

Longacre

OTHER FARMS AVAILABLE

Please Call and Tell Us Your Preference

PAUL M. LONGACRE

Rt. 100 Hereford, PA 18056
Ph: 215-679-5919
Donald R. Longacre, A.S.B. (717) 679-5910
Paul Zeisloft, R.E.S. (717) 437-2305

COLUMBIA COUNTY

•350 Acres Steer or Horse Farm, on Gently Rolling Land, Good Alfalfa and Corn Ground.
....45 Acres Consists of 4BR, Modern House with Wood and Vinyl Siding, 2-Pole Sheds, 24x80, 38x80 Quanset Shed 40x90, 1-Story Barn 250x44 with Milk House Attached. 2-Silos. $230,000.
Remainder of Land $2500.00 Per Acre.
Must Buy as Least 12 Acres. Lots of Road Frontage. Price Negotiable.

CLEARFIELD COUNTY

• In hunting area, 2 story home, vinyl sided, 4 BR & bath, kitchen DR, closed porch & sun deck, attic & basement, $26,000.

SCHUYLKILL COUNTY

• 234 acre woodland tract, joins state gamelands, borders Rt. 81 & secondary road, Pine Grove area, good hunting area, call for details, $175,000. Additional roadway available at extra cost.

BRADFORD COUNTY

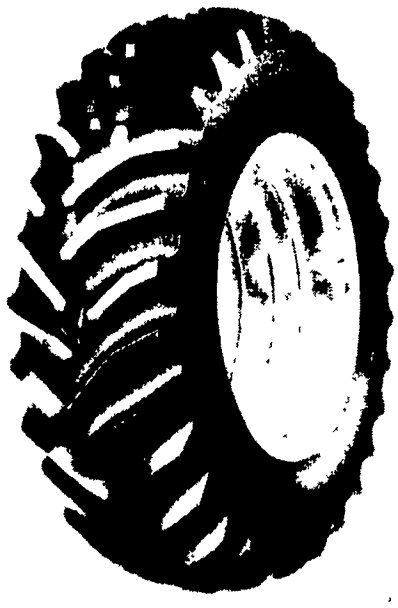
• 400 Acre Dairy Farm, 280 tillable, 60 pasture, balance woods, pond, large 17 room home w/3 car garage, 71 stall barn w/pipeline, 800 Gallon tank, barn cleaner, 2 sealed silos, 20x60 and 24x82 and 16x50. A 2½ story home, 39 stall barn and 14x40 silo. $400,000. Cattle and machinery available at extra cost.

• 200 Acre Dairy Farm, with large 5 bedroom Victorian home sitting on a knoll, surrounded by 200 year old trees, excellent condition, pond & stream, 2 newly reconditioned Harvestore silos, 57 cow dairy barn & some box stalls, long fields, good soils, immediate occupancy. $310,000. Price Negotiable.

• 320 Acre Dairy Farm, 220T, balanced pasture & woods, features large 2½ story home w/kitchen, LR, DR, laundry, 5 BR, 1½ baths, enclosed porches & more. 82 stall dairy barn w/pipeline milking systems, bulk tank, Harvestore 3 silo's: 20x80, 20x75, 20x40 w/ unloaders, heifer & dry cow barn, lg. 48x100 machinery shed, $395,000. Cattle and Machinery Available at extra cost. Price Negotiable.

We Stock GOODYEAR

Rear, Front And Skid Steer Tires!



Special!

18.4R38★

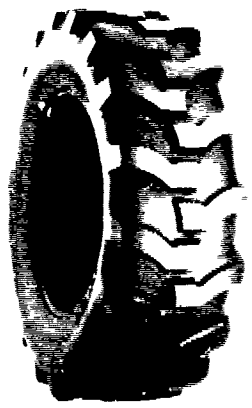
$498.00

Loader-Dozer

ARMSTRONG

★ TUBELESS ★

16 9x24, 8 Ply	$289.00
16 9x24, 10 Ply	$394.00
16 5x28 8 Ply	$317.00
17 5Lx24, 6 Ply	$291.00
17 5x24, 8 Ply	$295.00
17 5Lx24, 10 Ply	$392.00
15 5x25, 12 Ply	$352.00
17 5Lx25, 12 Ply	$499.00
18 4x24, 8 Ply	$419.00
18 4x24, 12 Ply	$497.00
19 5Lx24, 10 Ply	$470.00
19 5Lx24, 12 Ply	$517.00
12Lx24, 12 Ply	$602.00
20 5x25, 12 Ply	$833.00
23 5x25, 12 Ply	$1,265.00
23 5x25, 16 Ply	$1,340.00

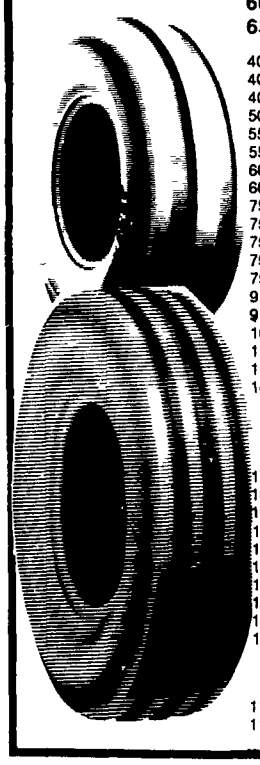


ARMSTRONG

★ TUBE TYPE ★

14 9x24, 6 Ply	$242.00
14 9x24, 8 Ply	$256.00
16 9x24, 6 Ply	$264.00
16 9x24, 10 Ply	$350.00
18 4x28, 10 Ply	$415.00
1300x24, 10 Ply	$278.00
1300x24, 12 Ply	$307.00
1400x24, 10 Ply	$312.00
1400x24, 12 Ply	$350.00

FRONT TRACTOR - Shipped UPS No Charge



★ 3-RIB ★

600-16, 6 ply	$40.00
650-16, 6 ply	$42.00
400 12	$26.00
400 15	$28.00
400 19, 4 Ply	$36.00
500-15	$36.00
550-16, 4 Ply	$39.00
550-16, 6 Ply	$42.00
600-14, 6 Ply	$62.00
600-16, 4 Ply	$42.00
750L-15, 6 Ply	$54.00
750-16, 8 Ply	$64.00
750-16, 6 Ply	$60.00
750-18, 6 Ply	$71.00
750 20, 6 Ply	$88.00
9 5L 15, 6 Ply	$69.00
9 5L 15, 8 Ply	$76.00
10 00-16, 6 Ply	$92.00
11Lx15, 8 Ply	$87.00
1100-16, 8 Ply	$128.00
14L-16 1, 8 Ply	$200.00

★ 4-RIB ★

11L-15, 8 Ply	$91.00
10 00-16, 6 Ply	$90.00
10 00-16 (TL), 6 Ply	$113.00
10 00 16 (TL), 8 Ply	$123.00
11 00 16 6 Ply	$112.00
11 00-16, 8 Ply	$120.00
11 00 16 (TL), 8 Ply	$134.00
14L-16 1 (TL), 6 Ply	$218.00
14L 16 1, 8 Ply	$213.00
16 5L 16 1 (TL), 8 Ply	$320.00

★ 5-RIB ★

1100x16, 12 Ply, Tubetype	$159.00
1100x16, 12 Ply, Tubeless	$186.00

Super Hi Traction Lug Radials

18.4R38 ★
490.00

18 4R34 ★	$450.00
16R38 ★	$470.00
20 8R34 ★	$700.00
20 8R38 ★	$710.00
20 8R38 ★★	$810.00
24.5R32, ★	$980.00
30 5R32, ★	$1020.00
18 4R42, ★★	$630.00
20.8R42, ★★	$735.00

CALL FOR QUOTE ON TRUCK TIRES!

ARMSTRONG

Hi Traction Lug

15.5x38, 6 Ply
$260.00

SERVICE AVAILABLE...

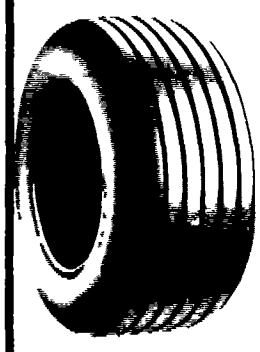
CALL FOR QUOTE!

11 2x24, 4 Ply	$132.00
11 2x24, 6 Ply	$154.00
14.9x24, 4 Ply	$196.00
14.9x24, 6 Ply	$216.00
14 9x24, 8 Ply	$248.00
16 9x24, 6 Ply	$251.00
16 9x24, 8 Ply	$273.00
14.9x26, 6 Ply	$222.00
18 4x26, 6 Ply	$312.00
18 4x26, 10 Ply	$380.00
23.1x26, 8 Ply	$625.00
11 2x28, 4 Ply	$154.00
12 4x28, 4 Ply	$180.00
13 6x28, 4 Ply	$192.00
13 6x28, 6 Ply	$204.00
14.9x28, 4 Ply	$200.00
14 9x28, 6 Ply	$222.00
14 9x28, 8 Ply	$256.00
14.9x28, 10 Ply	$335.00
16 9x28, 6 Ply	$273.00
16 9x28, 8 Ply	$301.00
16 9x28, 10 Ply	$352.00
16 9x30, 6 Ply	$296.00
18 4x28, 6 Ply	$363.00
18 4x30, 6 Ply	$330.00
23 1x30, 8 Ply	$705.00
24 5x32, 10 Ply	$900.00
16 9x34, 6 Ply	$323.00
18 4x34, 6 Ply	$370.00
18 4x34, 8 Ply	$400.00
20 8x34, 6 Ply	$563.00
20 8x34, 8 Ply	$590.00
23 1x26, 10 Ply	$705.00
23 1x34, 8 Ply	$771.00
11 2x38, 4 Ply	$185.00
12 4x38, 4 Ply	$210.00
13.6x38, 4 Ply	$222.00
13 6x38, 6 Ply	$246.00
14 9x38, 6 Ply	$268.00
15 5x38, 8 Ply	$318.00
16.9x38, 6 Ply	$357.00
16 9x38, 8 Ply	$392.00
18 4x38, 6 Ply	$416.00
18 4x38, 8 Ply	$446.00
20.8x38, 8 Ply	$596.00
20 8x38, 10 Ply	$704.00

Small Rear Farm Tires

750x20, 4 Ply	$79.00
750x24, 4 Ply	$87.00
8.3x24, 4 Ply	$101.00
9.5x24, 4 Ply	$113.00
11 2x34, 4 Ply	$167.00
11 2x36, 4 Ply	$168.00
12 4x24, 4 Ply	$144.00
12.4x36, 4 Ply	$227.00
13 9x36, 6 Ply	$235.00

WAGON TIRES



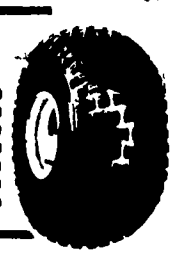
26 1200x12, 4 Ply	$53.00
8 51x14, 6 Ply	$51.00
9 5Lx14, 6 Ply	$52.00
9 5Lx14, 8 Ply	$53.00
9 5Lx15, 6 Ply	$48.00
9 5Lx15, 8 Ply	$48.00
11Lx14, 6 Ply	$52.50
11Lx15, 6 Ply	$46.00
11Lx15, 8 Ply	$50.00
11Lx15, 10 Ply	$74.00
1000x15, 8 Ply	$53.00
11Lx15, 8 Ply Tubeless	$58.00
11Lx16, 8 Ply	$65.00
11Lx16, 10 Ply Tubeless	$88.00
12.5Lx15, 10 Ply	$78.00
12.5Lx16, 14 Ply	$98.00
12.5Lx15, 12 Ply	$90.00
14Lx16.1, 12 Ply	$161.00
16.5Lx16.1, 10 Ply Tubeless	$182.00
25x7.50x15, 4 Ply Tubeless	$48.00
25x7.50x15, 6 Ply Tubeless	$55.00
27x9.50x15, 4 Ply Tubeless	$59.00
27x9.50x15, 6 Ply Tubeless	$68.00
27x9.50x15, 8 Ply Tubeless	$73.00
31x13.50x15, 6 Ply Tubeless	$102.00
31x13.50x15, 8 Ply Tubeless	$112.00

• WAGON TIRES SHIPPED UPS - NO CHARGE! •

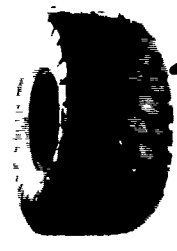
CONTRACTOR F-3

11Lx15, 6 Ply	$87.00
11Lx15, 10 Ply	$102.00
11Lx16, 8 Ply	$104.00
750 800x16, 10 Ply	$99.00
11Lx16, 12 Ply	$137.00
145 - 75 - 16.1, 10 Ply	$246.00
11Lx16 10 Ply	CALL FOR SPECIAL

3 WHEELER TIRES



20x7.00-8	$38.00
21x7 00-8	37.00
22x11 00-8	42.00
22x8 00-10	45.00
22x11.00-10	50.00
25x12-9	60.00
18x950-8	41.00



ARMSTRONG TURF

8 3x24	$118.00
9 5x24	$131.00
14.9x24, 6 Ply	$231.00
16 9x24, 6 Ply	$242.00
18 4x16 1, 6 Ply	$274.00
13.5x16 1, 8 Ply	$275.00
18 4x26, 6 Ply	$415.00
13 6x28, 6 Ply	$268.00
13 6x28, 4 Ply	$246.00
16.5Lx16.1, 6 Ply	$309.00

SKID LOADER TIRES

570x12, 4 Ply	$42.00
23.850x12, 4 Ply	$48.00
27.850x15, 4 Ply	$53.00
27.850x15, 6 Ply	$73.00
27.1050x15, 6 Ply	$81.00
700x15, 6 Ply	$68.00
750x15, 6 Ply	$71.00
10-16.5, 6 Ply	$82.00
12-16.5, 8 Ply	$125.00
Steel Shield	
10-16.5, 6 Ply	$110.00
12-16.5, 8 Ply	$165.00

Above Tires Shipped To You FREE

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We Install Tires On Your Farm
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• Sunbury • Allentown
• North Penna • New Jersey
• Northern Maryland

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Maryland and Delaware

Branch Warehouse
North [illegible]
[illegible]

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Sale Runs Thru December Or Until Equipment Is Sold!

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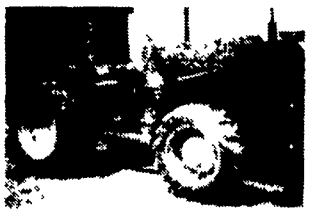
84/85 JD 4450, 140 HP, MFWD, C/A, 20.8x8Rx38, 2900 Hrs., PS, 2 Rem.
WAS $44,500
NOW $39,900
SAVE $4,600

80 JD 8440, 180 HP, 4WD, C/A, 18.4Rx38, 3000 Hrs., 4 Rem., 16F/16R Tranny
WAS $32,900
NOW $31,900
SAVE $1,000

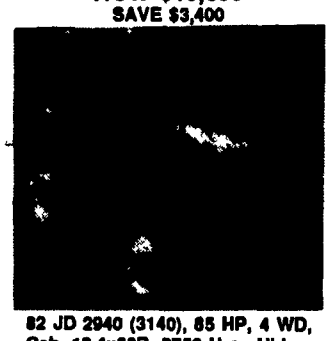
83 JD 4250, 120 HP, MFWD, C/A, 20.8x38 (New), 3550 Hrs., 2 Rem., Quad, Front & Rear PTO & 3 Pt. Hitch
WAS $33,900
NOW $29,500
SAVE $4,400



85 JD 2350, 55 HP, 4 WD, 16.9x30, 1600 Hrs., 2 Rem., HI-Lo w/245 Loader WAS $23,900
NOW $19,500
SAVE $4,400

80 JD 4440, 130 HP, 4WD, C/A, 18.4Rx38, 5000 Hrs., 2 Rem., Quad
WAS $22,900
NOW $19,500
SAVE $3,400

84 JD 4250, 120 HP, MFWD, C/A, Quad, 20.8x38 3100 Hrs., 2 Rem.
WAS $32,900
NOW $28,900
SAVE $4,000



82 JD 2940 (3140), 85 HP, 4 WD, Cab, 18.4x38R, 3750 Hrs., HI-Lo
Was $18,900
NOW $17,500
SAVE $1,400

83 JD 4050, 106 HP, MFWD, C/A, 18.4x38, 3165 Hrs., 2 Rem., Quad
WAS $25,900
NOW $23,900
SAVE $2,000

82 JD 2950 (3040) 85 HP, 2 WD, Cab, 16.9x38, 2400 Hrs., 2 Rem., Hi-Lo WAS $18,900
NOW $13,900
SAVE $5,000

77/78 JD 8630, 225 HP, 4WD, C/A, 18.4x38 (Duals), 6165 Hrs., 3 Rem., Quad WAS $24,900
NOW $19,900
SAVE $5,000

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80 JD 4440, 130 HP, 4WD, C/A, 18.4Rx38 2900 Hrs., 2 Rem., Quad $22,900
84 Case 2290, 130 HP, 4WD, C/A, 18.4Rx38, 3400 Hrs., 2 Rem., PS $19,900
84 Case 2290, 130 HP, 4 WD, C/A, 18.4Rx38, 3600 Hrs., 2 Rem., PS $19,500
84 FD TW-35 170 HP, 4WD, C/A, 20.8x38, 2300 Hrs, 3 Rem., DP $29,900
78 FD 9700, 135 HP, 2WD, C/A, 23.1x34, 4000 Hrs., 2 Rem., SPD $9,900
84 IH 5288, 160 HP, 2 WD, C/A, 20.8Rx38, 2700 Hrs., 2 Rem., 18F/6R $30,900
84 IH 5488, 187 HP, MFWD, C/A, 20.8x38 R&C (Duals), 2400 Hrs., 2 Rem., 18F/6R $27,900
84 IH 5488, 187 HP, MFWD, 4 Post, 30.5x32, 2400 Hrs., 2 Rem., 18F/6R $22,900
83/84 IH 6588, 150 HP, MFWD, C/A, 18.4x38, 1500 Hrs., 2 Rem., 16F/8R $22,900
47 MF 30, 27 HP, 2 WD, 11.2x28, Gas, 5 Speed w/Sickle Bar Mower $1,950
80 GMC Astro V892 13 Spd. Road Ranger, 26' Rollback Tri-Axle $29,500
87 Mercedes, 30', Air Tag Axle $23,900
Mule Train 6x6 Harvester (Cabbage, Asparagus, Sweet Corn, Pickles), Hyd. Driven, Self-Contained, Alum. Grading Table & Side Conveyor $7,500
Bomford 60" Side Mount Mower $5,000
Bomford 72" Mid-Mount Mower $2,950
77 IH 570 Spreader $2,500
Snyder 300 Gal. Corn Sprayer $1,500
Hay Conveyor $1,500
85 Light Foot Grain Cleaner, Extra Screens, Hopper $1,500
5 Head Tiller, Used $2,950

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23,000 Gal. Tank ..... ~~$2,600~~ SPECIAL - $1,900

84/85 JD 4650, 185 HP, MFWD, C/A, 20.8Rx38, 2750 Hrs., 2 Rem., PS
WAS $43,900
NOW $41,500
SAVE $2,400

82 JD 4440, 130 HP, 4WD, C/A, 18.4Rx38, 4500 Hrs., 2 Rem., Quad
WAS $22,900
NOW $20,500
SAVE $2,400

84 JD 2010, 47 HP, 2 WD, 14.9x28, Synchro
WAS $6,500
NOW $4,500
SAVE $2,000

81 Case 2090, 110 HP, 2 WD, C/A, 20.8Rx38, 2900 Hrs., 2 Rem., PS WAS $14,900
NOW $11,000
SAVE $3,900

84 MF 158-F, 55 HP, 2 WD, Sims Cab, 13.6x38, 1100 Hrs., 1 Rem., Hi-Lo WAS $9,900
NOW $9,000
SAVE $900

66 MF 165, 52 HP, 2WD, Multi-Power, w/99 Ind. Loader 16.9x28 WAS $4,900
NOW $3,000
SAVE $1,900

76 White 150, 148 HP, 2 WD, Cab, 4000 Hrs., 20.8x38, 3 Rem., HI-Lo
WAS $6,500
NOW $4,500
SAVE $2,000

72 Oliver White Moline, 270 HP, 4 WD, Cab, 18.4x38 (Duals), 300+ Hrs., 2 Rem., 5F/2R, No PTO
WAS $11,900
NOW $9,500
SAVE $2,400

62 Cat 922A Loader, 80 HP 4WD, 14.00x24
WAS $12,500
NOW $9,900
SAVE $2,600

87 Mitsubishi 250D, 22 HP, 4 WD, 606 Hrs., 11.2/10x24 (New) w/ Woods Mower WAS $8,500
NOW $6,500
SAVE $2,000

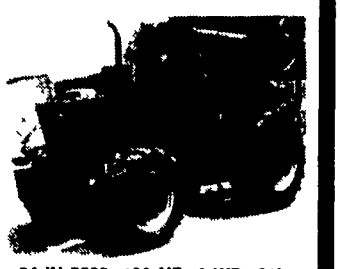
86/87 FD 1910, 29 HP, 4WD, 13.6x24, 700 Hrs., 1 Rem., SMS, Power Assist Steering, w/770B Quick-Tach Bucket
WAS $12,900
NOW $9,000
SAVE $3,900

88 Cat Challenger 65, 280 HP, Track, (New), C/A, 1800 Hrs., 4 Rem., PS
$87,500

88 Cat Challenger 65, 280 HP, Track (70%), C/A, 2400 Hrs., 4 Rem., PS
$79,900

83 JD 2550 (2040S), 65 HP, Cab, 2 WD, 13.6x38, 2570 Hrs.
WAS $14,500
NOW $12,500
SAVE $2,000

82 JD 2750 (2140), 75 HP, 2WD, Cab, 2700 Hrs., 13.6Rx38, 2 Rem., Hi-Lo
WAS $15,900
NOW $12,900
SAVE $3,000

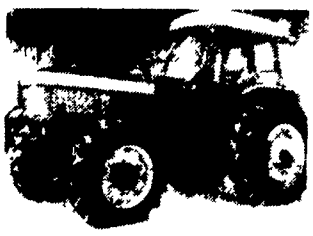


84 IH 5288, 160 HP, 4 WD, C/A, 20.8x38 (Duals), 5000 Hrs., 2 Rem. 18F/6R WAS $28,900
NOW $24,000
SAVE $4,900

78 JD 4230, 100 HP, 2WD, C/A, 18.4x38, 6709 Hrs., 2 Rem., PS
WAS $14,500
NOW $10,900
SAVE $3,600

81 Case 2090, 110 HP, 2WD, C/A, 18.4Rx38, 2500 Hrs., 2 Rem., PS
WAS $15,900
NOW $11,000
SAVE $4,900

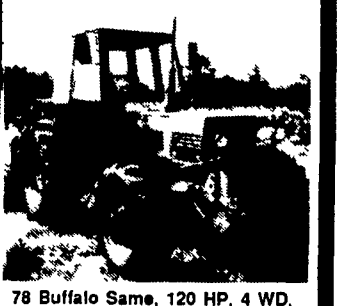
78 JD 2840, 160 HP, 2WD, 2 Rem., 18.4x34, 4631 Hrs., HI-Lo
WAS $10,900
NOW $8,500
SAVE $2,400



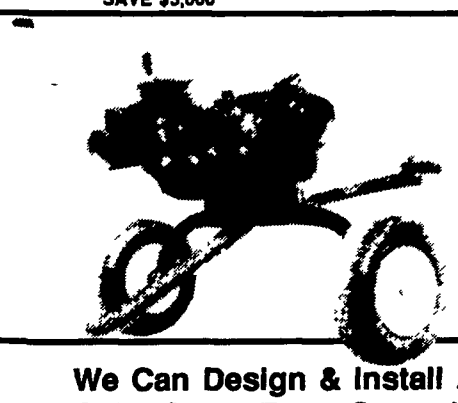
84 FD TW-25, 140 HP, 4WD, C/A, 3200 Hrs., 18.4Rx38
WAS $32,900
NOW $29,000
SAVE $3,900

67 JD 4020, 95 HP, 2 WD, PS, 18.4x34, 3100 Hrs., 2 Rem.,
WAS $8,750
NOW $7,500
SAVE $1,250

ROCK PICKERS
Reconditioned, Hopper-Type With Back & Bottom Dump
$3,000-$4,750



78 Buffalo Same, 120 HP, 4 WD, Cab, 18.4Rx38, 4700 Hrs., 2 Rem , 12F/4R, Front Linkage & PTO
WAS $17,900
NOW $14,500
SAVE $3,400



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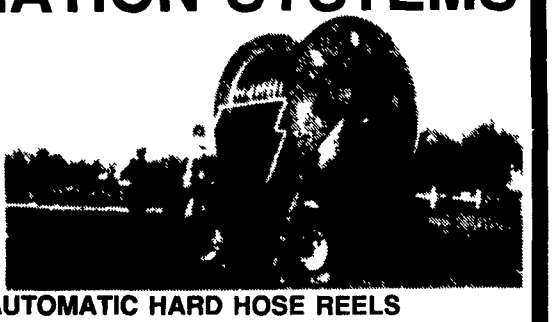

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ACRES IRR/WK.	ACRES IRR/RUN	HOSE O.D.	HOSE I.D.	IRRIGATED LENGTH	WIDTH	MODEL	PRICE
25	2.0	2"	1.6"	700'	180'	50-180	$5,250
50	4.0	2.5"	2.1"	820'	210'	63-250	$11,900
60	4.0	3.1"	2.8"	1150'	240'	75-320	$15,900
75	5.0	3.3"	2.9"	1100'	240'	82-300	$15,900
90	6.0	3.6"	3.0"	1130'	250'	90-350	$19,900
130	7.5	4.3"	3.7"	1130'	290'	110-350	$23,900
110	8.0	4.3"	3.7"	1290'	275'	110-400	$28,900
145	9.0	5.0"	4.0"	1140'	320'	125-350	$29,900
130	9.0	5.0"	3.9"	1450'	380'	125-450	$34,900

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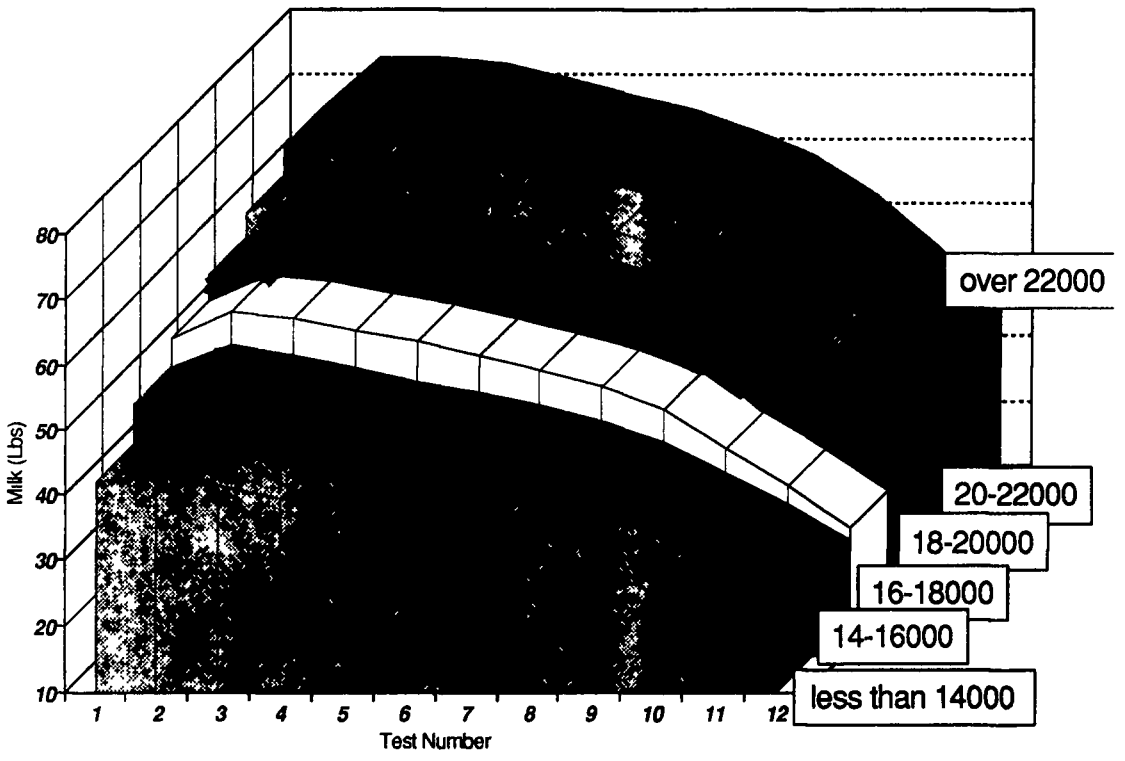
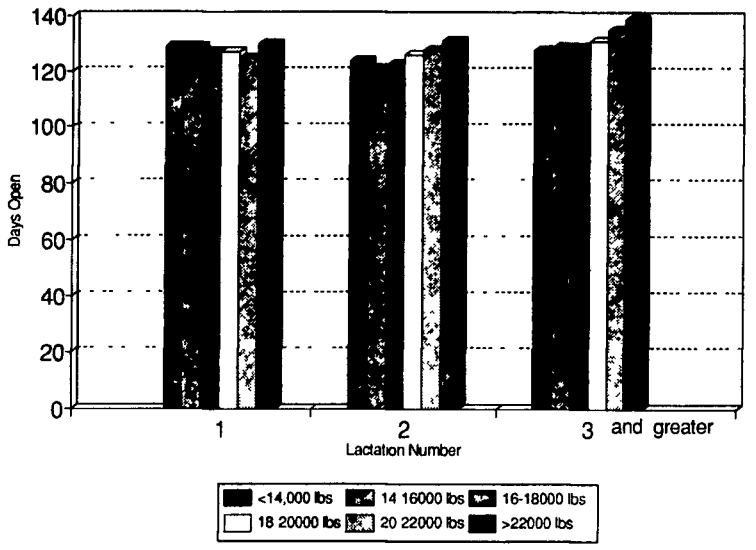
A Picture Of Pennsylvania DHIA In Graphs

By Jim Boyer, Data Processing

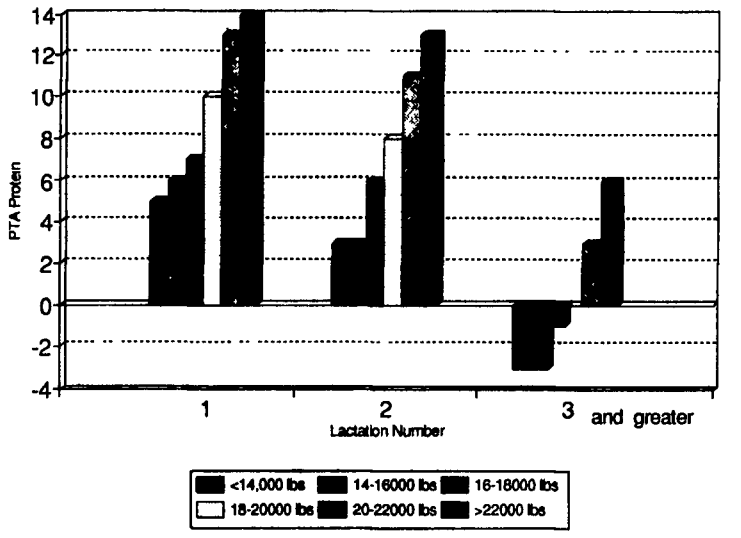
Average Milk Production on Test Day
Within Different RHA Groups



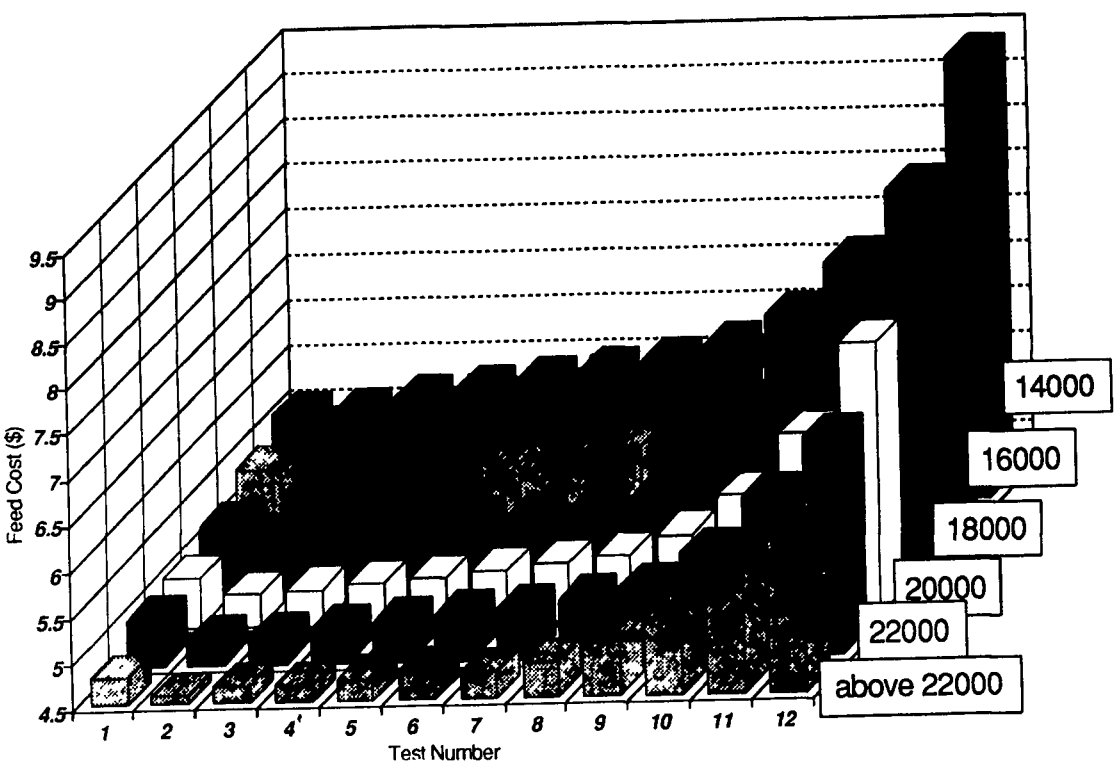
Days Open by Lactation Number
(Within Rolling Herd Average Milk)



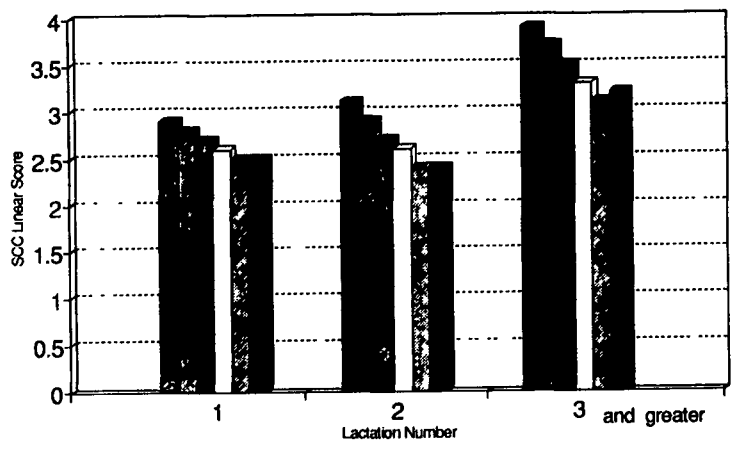
Average Herd PTA Protein
(Within Rolling Herd Average Milk)



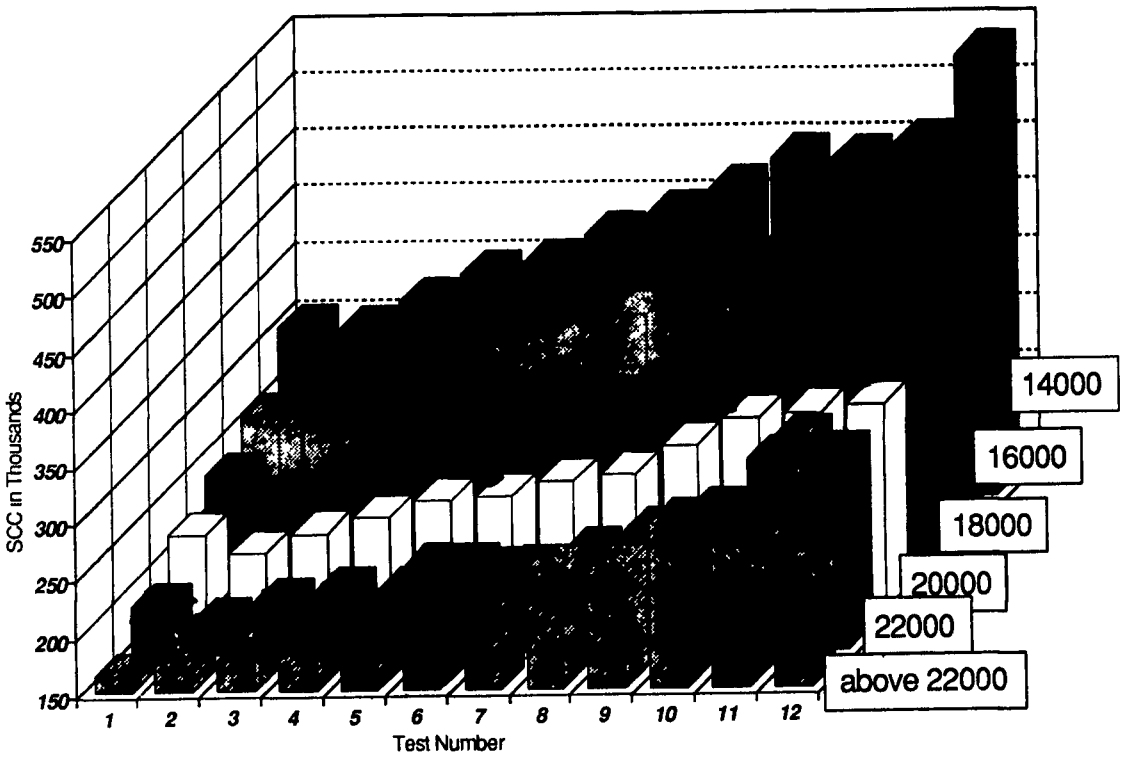
Feed Cost / Hundredweight of Milk
Within Different RHA Groups



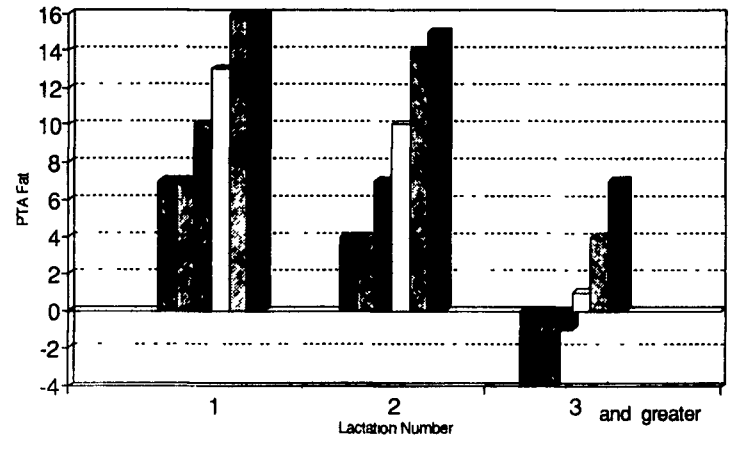
SCC Linear Score by Lactation
(Within Rolling Herd Average Milk)



Average SCC on Test Day
Within Different RHA Groups



Average Herd PTA Fat
(Within Rolling Herd Average Milk)



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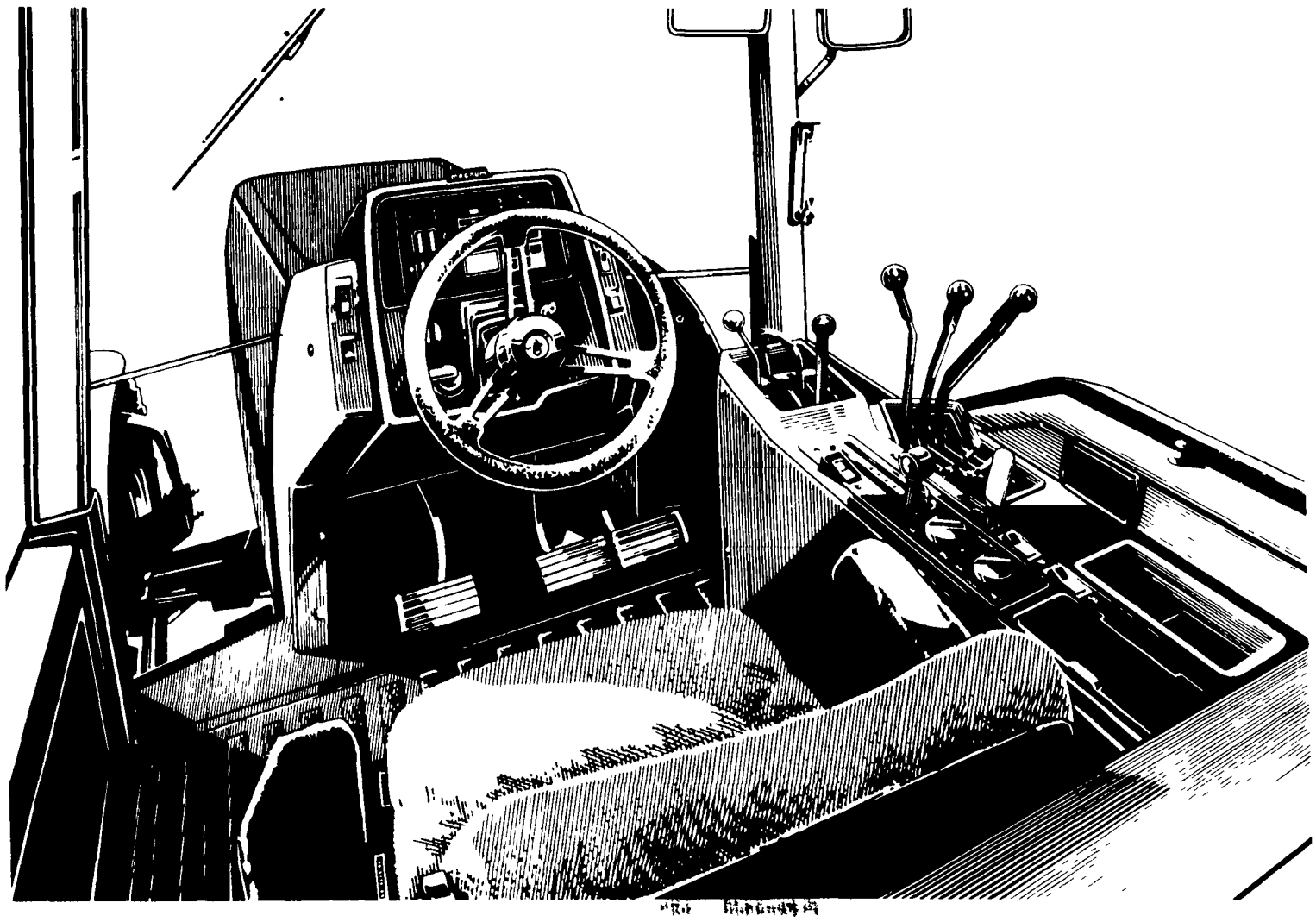
MAGNUM COMFORT



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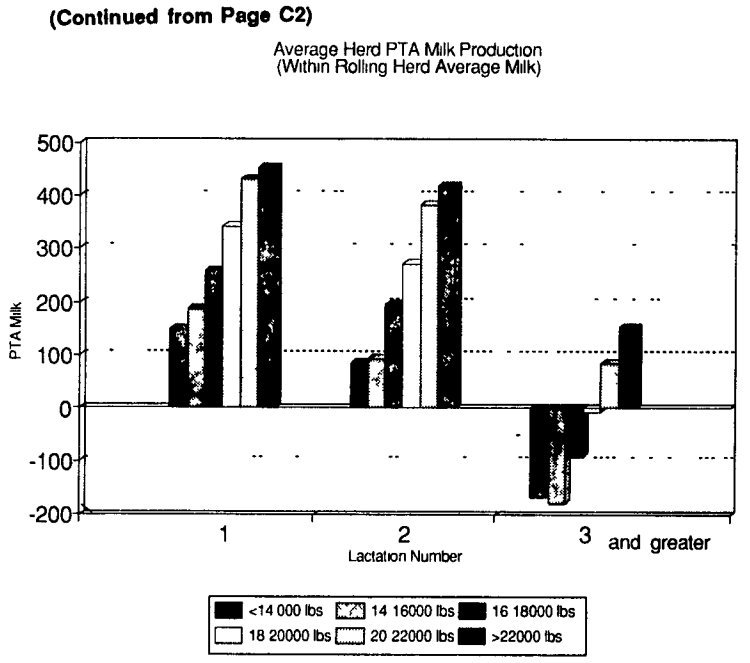
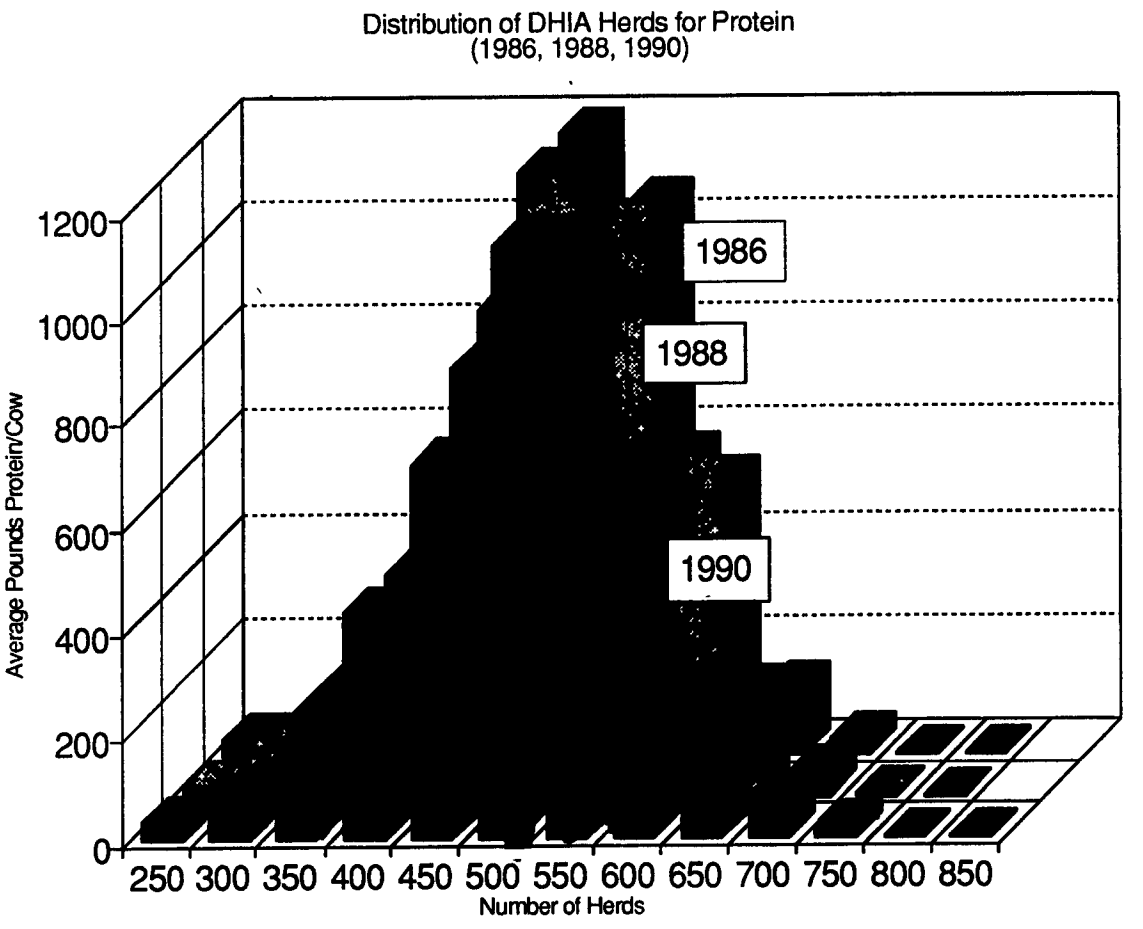
A Picture Of Pennsylvania DHIA In Graphs

(Continued from Page C2)





Deborah Ebersole Lancaster Co. Rookie Of The Year

Two years ago, Deborah Ebersole gave up her registered nursing job to become a DHIA supervisor. She has no regrets.

"I love getting up in the morning and I love cows," Deborah said, adding that she tests 3,000 to 3,030 every month.

"Farmers are the greatest people to work with because they are doing a job they like. If anyone plans to go into farming, he should become a milk tester. It's an excellent education because you see how every farmer feeds, milks, washes, and dips. Every farmer does things a little differently," she said. "They each have their own little tricks and ways to fix things."

Deborah, who was raised on a farm, always loved the farm, but was encouraged to work elsewhere "because I was a girl." After high school graduation, she worked for a bank, but couldn't stand being inside. She left the bank, and studied to become an licensed practical nurse. It wasn't long before she got tired of not being able to do things because she wasn't a registered nurse, so she went back to school to get her registered nursing degree.

A people person, Deborah enjoyed working in the hospital's

Deborah Ebersole

intensive care unit, but she got tired of the administrative end, and after many years of working in the intensive care unit, she felt she needed a change.

"When I'd past farmers while I was driving to the hospital, it was about all I could do to keep from the stopping the truck and saying, "Hey, let me plow."

For awhile, Deborah tried to satisfy her craving for farming and hang on to her professional career by milking cows for a neighbor and working the night shift in the hospital.

But when Jay Mylin suggested she apply for the Elizabethtown DHIA circuit, Deborah jumped at the opportunity. She quit her nursing job and has never been sorry.

Her whole job has been a delightful experience. To her great surprise, Deborah was named DHIA Rookie of the Year, an award that honors new supervisors who have shown exceptional aptitude in learning the job of the DHIA supervisor. These individuals must have worked 6 and 18 months and demonstrate outstanding cooperation with the state and local DHIA organizations in conducting an efficient and accurate testing program.

Deborah said, "At many of the farms I visit, I've become like part of the family. Kids draw pictures for me and ask there parents, 'Is the milk tester coming today?'"

Deborah is always up by 4 a.m. Generally, she is home by 9 a.m. Then it's time for paper work, packing supplies and sending samples to Penn State.

At 2 p.m., it is time to test herds again. Usually she is home by 6:30 p.m., but some nights require her to be away until 9:30 p.m.

Deborah now lives on her three-acre farmette in Manheim where she raises six dairy heifers. She will soon be moving because she got a fringe benefit she never expected to get when she took the DHIA job — a husband.

In April, Deborah is marrying a farmer she met on the job. They'll settle on his Hershey farm, and Deborah will go back to milking cows.

"He told me that I could be in charge of the herd," she said. "I got all kinds of ideas that I have learned while testing and I plan to try them."

FOCUS

Pennsylvania Dairy Herd Improvement Association

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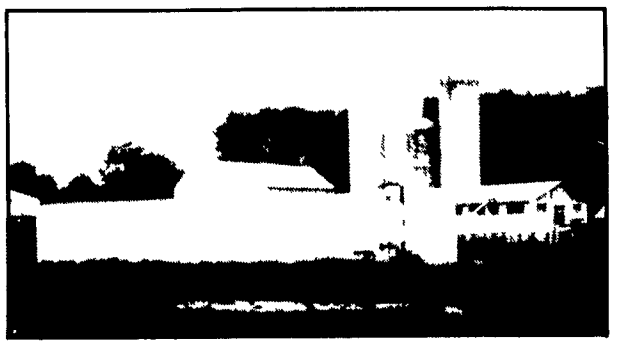
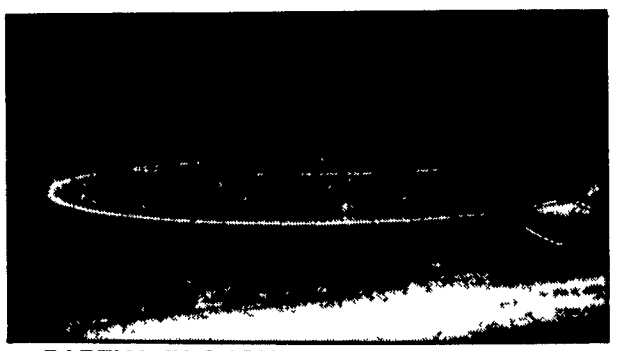


ABOVE-GROUND MANURE STORAGE TANK WITH SIDE-MOUNT PUMP



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SIZES AND LAYOUTS TO YOUR SPECIFICATIONS

Pennsylvania DHIA Herd Profile Tables

Holstein

	All Pennsylvania	RHA 12000-14500	RHA 14500-17000	RHA 17000-19500	RHA 19500-22000	RHA 22000-25000	RHA 25000+
Herd Breed / Number of Herds	4,581	493	1,427	1,772	681	84	5
Number of Cows	275,234	26,741	83,662	110,141	43,708	4,985	288
Number of Cows Per Herd	60.0	54.2	58.6	62.1	64.1	59.3	57.7
Milk Per Cow (Lbs)	17,312	13,472	15,895	18,157	20,407	22,815	26,416
%-Protein	3.17	3.13	3.16	3.17	3.17	3.16	3.09
Protein Per Cow (Lbs)	548	422	503	576	648	721	817
%-Fat	3.64	3.60	3.63	3.64	3.65	3.64	3.48
Fat Per Cow (Lbs)	630	486	578	662	745	830	920
Average Days in Milk Per Cow	316	309	313	317	320	321	326
Value for CWT Milk($)	14.70	14.61	14.69	14.71	14.74	14.67	14.79
Value for CWT Grain($)	7.99	8.15	8.02	7.91	8.02	8.17	9.32
Value for CWT Hay($)	4.37	4.01	4.29	4.53	4.58	4.71	3.95
Value for CWT Silage($)	1.52	1.47	1.48	1.53	1.56	1.71	1.51
Value for Pasture Per Day($)	.30	.33	.31	.29	.28	.27	.75
Value for Milk Per Cow($)	2,545	1,968	2,336	2,671	3,009	3,348	3,909
Feed Consumed Per Cow (Lbs)							
A: Grain	7,029	5,436	6,574	7,383	8,073	8,431	9,437
B: Hay	2,598	3,290	2,791	2,420	2,125	2,171	4,251
C: Silage	14,938	12,868	14,481	15,359	16,312	17,236	15,298
D: Day Pasture	64	81	72	61	50	35	14
Feed Cost Per Cow($)							
A: Grain	562	443	527	584	648	689	880
B: Hay	113	132	119	109	97	102	168
C: Silage	227	189	215	235	256	295	231
D: Pasture	20	27	22	18	14	9	11
Total Feed Cost Per Cow($)	923	791	886	948	1,016	1,096	1,291
Income Over Feed Costs($)	1,621	1,176	1,450	1,722	1,993	2,252	2,617
Grain to Milk Ratio	1: 2.4	1: 2.4	1: 2.4	1: 2.4	1: 2.5	1: 2.7	1: 2.7
Feed Cost Per CWT Milk($)	5.34	5.88	5.58	5.22	4.98	4.81	4.89
Avg Level For SCC Herds	392,001	497,737	420,977	362,698	309,150	338,408	389,250

Guernsey

	All Pennsylvania	RHA 7500-10000	RHA 10000-12000	RHA 12000-14000	RHA 14000+
Herd Breed / Number of Herds	68	9	23	23	11
Number of Cows	2,901	305	995	1,059	459
Number of Cows Per Herd	42.6	33.9	43.2	46.0	41.7
Milk Per Cow (Lbs)	12,065	9,136	11,099	13,054	14,944
%-Protein	3.53	3.42	3.56	3.54	3.50
Protein Per Cow (Lbs)	426	312	395	463	523
%-Fat	4.54	4.42	4.51	4.56	4.60
Fat Per Cow (Lbs)	548	404	501	596	688
Average Days in Milk Per Cow	314	302	316	314	318
Value for CWT Milk($)	16.03	16.19	16.03	15.90	16.22
Value for CWT Grain($)	7.73	7.08	7.56	8.48	7.00
Value for CWT Hay($)	4.73	4.56	4.88	4.56	4.89
Value for CWT Silage($)	1.48	1.39	1.46	1.54	1.47
Value for Pasture Per Day($)	.28	.13	.32	.24	.37
Value for Milk Per Cow($)	1,934	1,479	1,779	2,076	2,424
Feed Consumed Per Cow (Lbs)					
A: Grain	5,308	3,711	5,240	5,280	7,186
B: Hay	2,974	3,864	3,023	2,791	2,455
C: Silage	11,285	10,544	10,187	12,841	11,407
D: Day Pasture	99	75	97	117	95
Feed Cost Per Cow($)					
A: Grain	410	262	396	448	503
B: Hay	140	176	147	127	120
C: Silage	168	146	148	198	168
D: Pasture	28	10	31	29	35
Total Feed Cost Per Cow($)	747	596	724	803	827
Income Over Feed Costs($)	1,186	883	1,055	1,273	1,596
Grain to Milk Ratio	1: 2.2	1: 2.4	1: 2.1	1: 2.4	1: 2.0
Feed Cost Per CWT Milk($)	6.20	6.53	6.53	6.16	5.54
Avg Level for SCC Herds	373,095	408,000	346,636	326,619	441,636

Red & White

	Pennsylvania
Herd Breed / Number of Herds	8
Number of Cows	227
Number of Cows Per Herd	28.4
Milk Per Cow (Lbs)	16,529
%-Protein	3.21
Protein Per Cow (Lbs)	531
%-Fat	3.68
Fat Per Cow (Lbs)	609
Average Days in Milk Per Cow	314
Value for CWT Milk($)	14.81
Value for CWT Grain($)	7.70
Value for CWT Hay($)	4.12
Value for CWT Silage($)	1.38
Value for Pasture Per Day($)	.36
Value for Milk Per Cow($)	2,448
Feed Consumed Per Cow (Lbs)	
A: Grain	7,400
B: Hay	2,322
C: Silage	16,251
D: Day Pasture	76
Feed Cost Per Cow($)	
A: Grain	570
B: Hay	95
C: Silage	224
D: Pasture	27
Total Feed Cost Per Cow($)	918
Income Over Feed Costs($)	1,529
Grain to Milk Ratio	1: 2.4
Feed Cost Per CWT Milk($)	5.56
Avg Level for SCC Herds	362,571

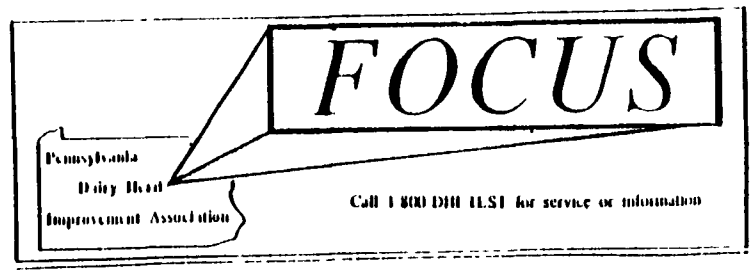
Jersey

	All Pennsylvania	RHA 8000-10000	RHA 10000-12000	RHA 12000-14000	RHA 14000-16000	RHA 16000+
Herd Breed / Number of Herds	171	17	67	60	17	6
Number of Cows	7,942	1,069	3,052	2,632	774	330
Number of Cows Per Herd	46.4	62.9	45.5	43.8	45.5	55.1
Milk Per Cow (Lbs)	12,079	9,541	11,126	12,983	14,699	16,913
%-Protein	3.76	3.83	3.74	3.77	3.77	3.67
Protein Per Cow (Lbs)	454	365	417	489	555	622
%-Fat	4.75	4.78	4.70	4.78	4.85	4.63
Fat Per Cow (Lbs)	574	456	523	621	713	783
Average Days in Milk Per Cow	315	307	314	319	318	323
Value for CWT Milk($)	16.66	16.21	16.35	17.07	16.69	16.89
Value for CWT Grain($)	8.65	8.71	8.58	8.27	9.09	10.92
Value for CWT Hay($)	4.08	3.49	3.98	4.30	4.49	5.38
Value for CWT Silage($)	1.39	1.44	1.41	1.41	1.35	1.12
Value for Pasture Per Day($)	.25	.22	.26	.26	.28	.05
Value for Milk Per Cow($)	2,012	1,546	1,819	2,216	2,453	2,856
Feed Consumed Per Cow (Lbs)						
A: Grain	5,378	4,743	4,939	5,962	5,792	6,350
B: Hay	2,244	2,797	2,303	2,125	1,701	1,900
C: Silage	10,652	10,111	9,764	11,368	13,016	10,737
D: Day Pasture	89	99	112	70	72	26
Feed Cost Per Cow($)						
A: Grain	465	413	424	493	526	693
B: Hay	91	97	91	91	76	102
C: Silage	148	145	137	161	176	121
D: Pasture	23	22	29	18	20	1
Total Feed Cost Per Cow($)	729	678	683	764	800	918
Income Over Feed Costs($)	1,283	867	1,136	1,452	1,652	1,937
Grain to Milk Ratio	1: 2.2	1: 2.0	1: 2.2	1: 2.1	1: 2.5	1:2.6
Feed Cost Per CWT Milk($)	6.04	7.12	6.14	5.89	5.45	5.43
Avg Level for SCC Herds	308,993	338,769	348,983	273,770	284,000	203,500

Ayrshire

	All Pennsylvania	RHA 11000-13500	RHA 13500-17000	RHA 17000+
Herd Breed / Number of Herds	35	17	16	2
Number of Cows	1,340	573	621	144
Number of Cows Per Herd	38.2	33.7	38.8	72.3
Milk Per Cow (Lbs)	14,067	12,124	14,686	19,110
%-Protein	3.35	3.36	3.33	3.37
Protein Per Cow (Lbs)	471	408	489	644
%-Fat	3.90	3.88	3.88	4.08
Fat Per Cow (Lbs)	550	470	569	781
Average Days in Milk Per Cow	306	301	308	318
Value for CWT Milk($)	15.00	14.89	15.01	15.25
Value for CWT Grain($)	9.28	8.69	9.71	9.29
Value for CWT Hay($)	5.26	4.47	6.30	5.01
Value for CWT Silage($)	1.43	1.40	1.41	1.58
Value for Pasture Per Day($)	.27	.32	.21	
Value for Milk Per Cow($)	2,111	1,805	2,206	2,915
Feed Consumed Per Cow (Lbs)				
A: Grain	5,241	4,532	5,606	6,485
B: Hay	3,175	3,857	2,797	2,098
C: Silage	11,184	8,371	12,137	18,236
D: Day Pasture	65	90	57	
Feed Cost Per Cow($)				
A: Grain	486	394	544	603
B: Hay	167	172	176	105
C: Silage	160	117	170	289
D: Pasture	17	29	12	
Total Feed Cost Per Cow($)	832	713	903	997
Income Over Feed Costs($)	1,279	1,092	1,302	1,917
Grain to Milk Ratio	1: 2.6	1: 2.6	1: 2.6	1: 2.9
Feed Cost Per CWT Milk($)	5.91	5.88	6.15	5.22
Avg Level for SCC Herds	253,560	291,083	237,570	112,000

By Jim Boyer, Data Processing



(Turn to Page C6)

Pennsylvania DHIA Herd Profile Tables

(Continued from Page C5)

Milking Shorthorn

Herd Breed / Number of Herds	5
Number of Cows	60
Number of Cows Per Herd	12.1
Milk Per Cow (Lbs)	9,723
%-Protein	3.28
Protein Per Cow (Lbs)	319
%-Fat	3.73
Fat Per Cow (Lbs)	363
Average Days in Milk Per Cow	281
Value for CWT Milk($)	14.48
Value for CWT Grain($)	8.72
Value for CWT Hay($)	4.32
Value for CWT Silage($)	1.42
Value for Pasture Per Day($)	.43
Value for Milk Per Cow($)	1,408
Feed Consumed Per Cow (Lbs)	
A: Grain	3,401
B: Hay	5,611
C: Silage	6,006
D: Day Pasture	112
Feed Cost Per Cow($)	
A: Grain	296
B: Hay	242
C: Silage	85
D: Pasture	48
Total Feed Cost Per Cow($)	673
Income Over Feed Costs($)	734
Grain to Milk Ratio	1: 2.8
Feed Cost Per CWT Milk($)	6.93
Avg Level for SCC Herds	346,666

Brown Swiss

Herd Breed / Number of Herds	32
Number of Cows	837
Number of Cows Per Herd	26.1
Milk Per Cow (Lbs)	14,527
%-Protein	3.51
Protein Per Cow (Lbs)	510
%-Fat	3.96
Fat Per Cow (Lbs)	576
Average Days in Milk Per Cow	312
Value for CWT Milk($)	15.14
Value for CWT Grain($)	7.95
Value for CWT Hay($)	4.20
Value for CWT Silage($)	1.46
Value for Pasture Per Day($)	.44
Value for Milk Per Cow($)	2,199
Feed Consumed Per Cow (Lbs)	
A: Grain	6,527
B: Hay	2,871
C: Silage	14,616
D: Day Pasture	73
Feed Cost Per Cow($)	
A: Grain	519
B: Hay	120
C: Silage	214
D: Pasture	32
Total Feed Cost Per Cow($)	886
Income Over Feed Costs($)	1,313
Grain to Milk Ratio	1: 2.2
Feed Cost Per CWT Milk($)	6.10
Avg Level for SCC Herds	378,592

Goats

Herd Breed / Number of Herds	22
Number of Does	183
Number of Does Per Herd	8.3
Milk Per Doe (Lbs)	1,659
%-Protein	3.12
Protein Per Doe (Lbs)	51
%-Fat	3.70
Fat Per Doe (Lbs)	61
Average Days in Milk Per Doe	267
Value for CWT Milk($)	35.67
Value for CWT Grain($)	12.57
Value for CWT Hay($)	3.87
Value for CWT Silage($)	4.92
Value for Pasture Per Day($)	.01
Value for Milk Per Doe($)	592
Feed Consumed Per Doe (Lbs)	
A: Grain	764
B: Hay	1,378
C: Silage	7
D: Day Pasture	55
Feed Cost Per Doe($)	
A: Grain	96
B: Hay	53
C: Silage	
D: Pasture	
Total Feed Cost Per Doe($)	150
Income Over Feed Costs($)	441
Grain to Milk Ratio	1: 2.1
Feed Cost Per CWT Milk($)	9.09
Avg Level for SCC Herds	900,687

Ronald Morgan Mifflin Co. Distinguished Service

Ronald Morgan, Mifflin Co., believes that keeping good records and "doing a good job and just basically keeping the quality up over the years" garnered him distinguished service recognition by the Pennsylvania DHIA.

Ronald Morgan

For the last eight years, Morgan has been a DHIA supervisor on 37 farms in his region. To obtain distinguished service honors, nominees must have achieved merit award status and meet certain qualities, which Morgan attributes to "doing the the herds 12 times a year and keeping the errors down."

He helps his father-in-law, Charles Forgy, McVeytown, Mifflin Co., and brother-in-law Garry Forgy with a small cow herd used for showing and milk production.

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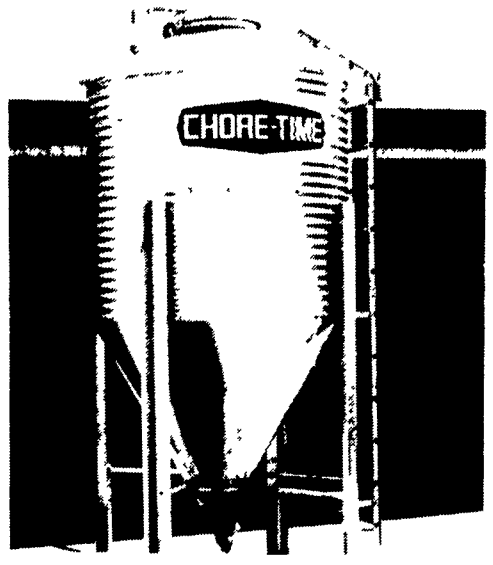

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Linda Wagner Wayne Co. Distinguished Service

Linda Wagner

Born and raised on a New Jersey dairy farm, Linda Wagner learned to read DHIA records as a kid.

In 1970, she graduated from Kansas State with a B.S. degree in wildlife biology.

"At that time, positions for women weren't open in that field," Linda said.

She married James Wagner and taught school for four years before pursuing a master's degree in aquatic biology.

After that, she and her husband moved to Wisconsin to manage a farm with 450 registered Holsteins. Eventually, the Wagners returned to Pennsylvania to manage an investors' farm, Star Bright Holsteins, where they did embryo transplant and marketed young stock. Later, she worked on another 150 commercial herd.

With a background rich in dairying, Linda landed the milk tester job 10 years ago in the Wayne County area. The job opening came at a good time since her folks were retiring and asked Linda's husband to manage their 125-acre Wayne County farm.

Linda tests 38 herds that require her to be at the farm anywhere between 4:30 and 9:00 a.m. She finds the record keeping and management opportunities fulfilling.

From her own extensive experience in breeding, management, nutrition, feed, and health-check programs, Linda has been able to help many farmers vastly improve their herds and attain lower somatic cell counts. When she first started, she found that many farmers did not organize and keep-up-to-date records. Taught to be efficent, she finds great pleasure in filing the reports and showing farmers how to make better use of the reports.

She credits her experience on a dairy judging team with her ability to recognize each cow by sight on most of the herds she covers.

She said, "I know the cows name, history, and enough to talk intelligently about each one."

Every day holds its own excitement — mostly pleasant — but not all. Recently, on a foggy, misty morning, a bear ran into her car and caused $2,000 worth of damage.

"I've learned to carry a shovel and dig myself out of snow banks," said Linda.

The Wagners have a four-year-old daughter, causing Linda to learn the fine-art of balancing child-rearing and a career.

After 10 years of DHIA testing, Linda said, "It's a wonderful experience being with dairymen and helping them improve their rolling herd average."

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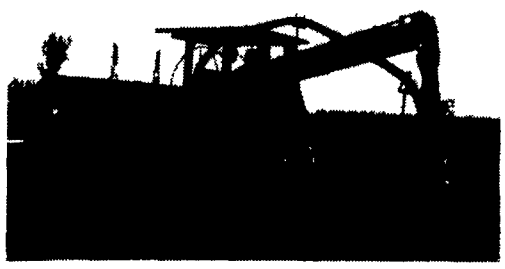

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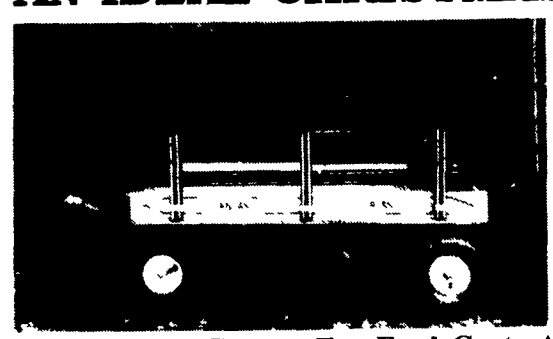

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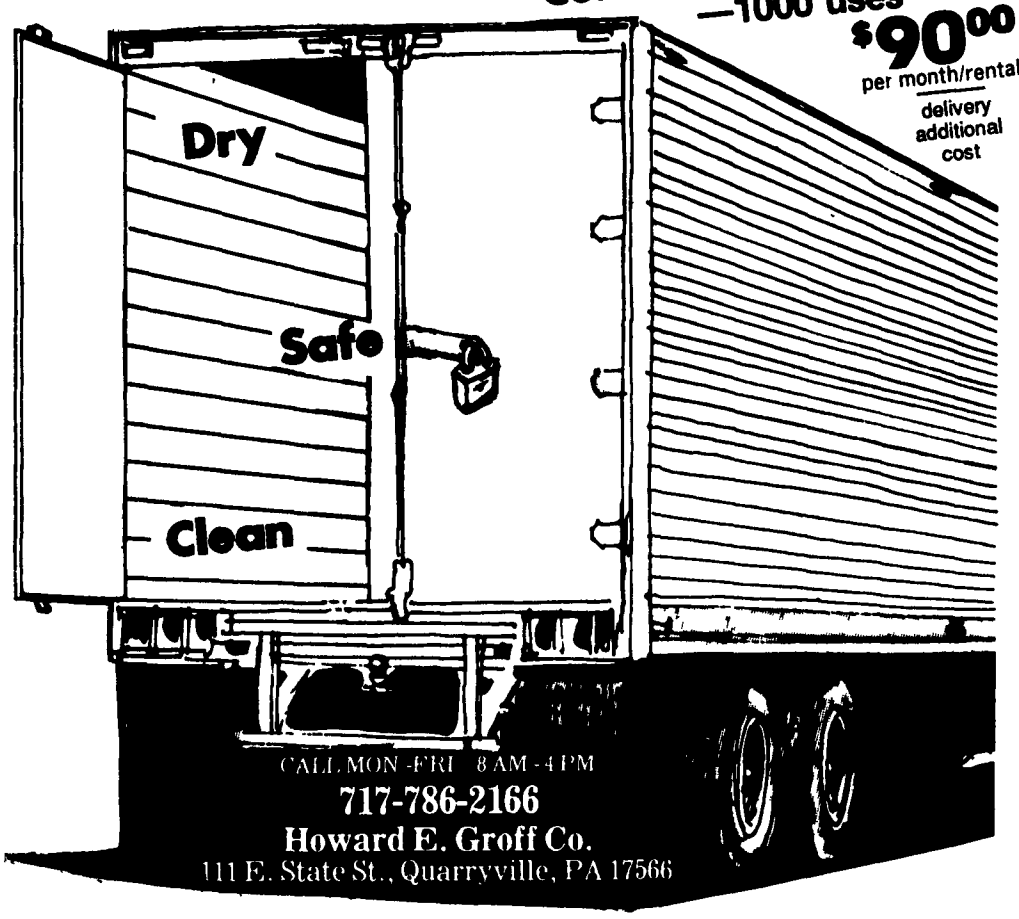

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David Shenk III
Perry Co.
Putnam Award

Dave Shenk

The struggle to be recognized for performing exemplary work is difficult when the competition is good. But for David Shenk III, years of trying to win the Putnam Award, an honor bestowed to the DHIA supervisor with the fewest errors per 1,000 cows tested, finally paid off.

In addition to the recognition from the operators of 23 Perry County dairy farms for whom he does testing, Shenk received an engraved pen and pencil set. He has it in a small trophy case in his house "in my den where I keep all my (DHIA) Dairy Herd Improvement Association records."

Last year Shenk made absolutely no errors on DHIA forms for more than 1,500 cows to win the Putnam Award. The award is a memorial honor to Dexter Putnam who was an extension dairyman from 1957 to 1982 and who worked with DHIA supervisors to improve their accuracy in reporting data on DHIA forms. A supervisor may win the award only once.

But according to Shenk, it would be difficult for anyone to earn the award more than once.

"I know it's a pretty tight race. In the past 10 years I seldom made four or five errors a year, so you can see it's a very, very tight race," Shenk said.

Shenk III lives in the river-edge town of Newport. Single, the 29-year-old doesn't come from a dairy backround, but does come from a family crop farm.

He raised swine while in FFA, but it was romance that got him interested in the dairy industry and in DHIA.

"The reason I guess I got interested in dairy, I was seeing a girl who was on a dairy farm," Shenk said, he explained that her father had taught him some things about dairying. "When it came to (high school) graduation, they were looking for a tester, I applied and was picked."

Shenk said the work is more than just a job. He has become deeply involved in it. He can give a detailed picture of the Perry County dairy scene.

For example, Perry County dairymen average about 60 head, close to the state average. In production, they tied for 13th place last year for fat and protein and were ninth in the state for milk.

And Perry County dairymen are continuing to increase participation in DHIA.

"We've been seeing fewer dairy farmers, but the number of those on DHIA has increased. We have a little over 60 percent of the cows in the county on test. We have around 8,000 cows, with almost 6,500 on test," he said.

"I have one owner-sampler herd; five AM-PM; and the rest 2x DHIA, 17 of them.

"Our county is predominantly still the 2x-per-day testing. We have a lot of registered cattle and a lot of our dairyman are still on the regular testing and most of those, I would say 97 percent of the herds I have, along with the records, we still keep and calculate the hand-written life history records for them, which our dairymen really appreciate."

Shenk has won a merit award for his work every year, and now with earning the Putnam award, his goal is to strive higher.

"I would like to strive to eventually win the superior supervisor award. This is sort of a step in the rung to reach this one," he said.

"I think two people stressed on me to strive for perfect work. They are the other supervisors in Perry County. One is Walter Stydinger, he was the tester who trained me when I started and emphasized doing everyting correctly, and the same way with Micheal O'Toole," he said.

Shenk said he sees his future with the dairy industry.

"I hope to be with DHIA for a long time, I really enjoy working with the dairymen and providing them with the most accurate records possible."

But when he isn't pouring over numbers, Shenk has some hobbies to keep him occupied.

In addition to deer hunting (no buck or doe this year), he is a model train enthusiast.

"I do like to tinker, I quite a vast collection of model trains, that I've been working on, off and on, for seven years.

"When I find time, I have a 1929 Ford Model A sedan that I'm restoring," he said.

Cindy Davis
Erie Co.
Distinguished Service

Cindy Davis

Cindy Davis knew a lot about horses but not much about cows when she took the DHIA position in Erie County. She worked for two veterinarians and on a horse farm, then switched to shop work.

"I made good money, but I hated it," she said. She wanted to work with animals and when a DHIA testing job opened, Cindy applied. The first time she was turned down, but a year later, she was offered a part-time position.

"I didn't let the drop in salary stop me," the single mother of an eight-year-old said. "In the beginning, I had only 10 herds, but I supplemented my income by raising cabbage, working on a potato farm and helping with hay making.

"People think this job is a piece of cake, but they don't know everything it involves," she said. "When you're in charge, there's a lot more than meets the eye."

Because she had a non-dairy background, Cindy had a lot to learn. "I needed to beef-up on forages and their moisture values, and to learn breeding dates. She learned to sanitize meters, weigh and sample milk and test for butterfat and somatic cell count.

After three years, Cindy feels comfortable with the job, which she equates to a walking desk for farmers to use as a management tool.

She now manages 33 herds, which require her to work six to six-and-a-half days a week. She starts between 5 a.m. to 8 a.m. and returns home between 9 to 9:30 p.m.

Cindy said that the downside of her job is the sympathy she feels for farmers. She said, "With the price of milk bottoming out and everything going sky high, I feel so sympathetic. I don't feel farmers get a fair shake. I smell a rat in the wood pile."

She finds that farmers are really using their DHIA records to get them through these tough times. She said, "Unfortunately many of the dairy herds in Erie County are old-fashioned and not on test. "It's hard to change farmers minds, but when I talk to them I find them fairly receptive."

Cindy is pleased that she received the DHIA distinquished service award because farmers reported she had an excellent attitude toward the job. She said, "I try to do my best no matter what. I love working with farmers and I love doing what I do. I just hope the dairy industry doesn't crash in Erie County."

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Post-Dip Method Lowers SCC For Empet Farms

ANDY ANDREWS
Lancaster Farming Staff

KINGSLEY (Susquehanna Co.) — In 1988, the somatic cell count (SCC) was 89,000. The SCC dropped the next year to 76,000. Then, in 1990, the count was the best ever — 60,000 — the lowest SCC for the 20-100 cow group in the state.

Empet Farms, managed by Dale and Peggy Empet and family, owes a great deal of the recognition for the best SCC to a post-dip, dry treat method of managing the cows. After each milking, the cows' teats are dipped into a solution to clean them and help prevent bacteria from entering the udder and causing mastitis.

Empet Farms also dry treats with antibiotics to prevent mastitis, thus reducing the SCC and enabling a better count.

"Our cows aren't stressed," said Peggy Empet. "We don't push them." She and her husband milk about 75 cows twice a day, and manage 70 replacements of mostly registered Holsteins.

But it was the month-by-month checking by the DHIA that showed them which cows were having problems and how they could control the problems of SCC.

"Each month, a sample is tested for SCC, and we keep a running account of how each individual test stands up," said Peggy.

Peggy and Dale grew up on dairy farms, she near Avondale, Pa., and he in Kingsley. After they married, they rented a farm for eight years and bought the machines for the operation. The farm, in the family since the early 1960s, was rented to Peggy and Dale from Dale's father, Arthur. In 1985, Peggy and Dale purchased heifers and other animals from Arthur Empet. Peggy and Dale now manage about 400 acres (300 tillable) and milk twice a day.

The Empets live on a separate farm about three miles from the main farm. They arrive on the dairy farm about 6 a.m., and milk with a pipeline from a tie stall. The rest of the day is taken up by various chores, including managing the feed (they raise their own hay but purchase high moisture corn).

"We would like to go to total mixed rations, sometime down the road," said Peggy.

If given the chance, the Empets would like to diversify into other types of farming, particularly sheep farming. "But that's not feasible now," she said, "maybe not until retirement." The family recently grew 2-3 acres of sweet corn and would like to expand their produce operation in the future.

Part of why Peggy and Dale remain farmers is "we get to be our own boss. Every job has its stresses, and ours are a different type than others."

The only regret Peggy has about farming is not being able to take time away from farming responsibilities every once in a while, she said. They have a part-time employee, Bill Raub, who helps them in the evenings.

But the Empets involve their children, Rick, 16; Tim, 14; and Becky, 8 — all of who are enrolled in the Mount View school system — on the farm.

"We like this occupation, because the whole family is involved," she said. "The children know what we are doing every day."

The Empets, in front, Becky, 8; left, Tim, 14; and right Rick, 16. In back are Peggy and her husband Dale.

RCMA Elects Officers

BATAVIA, NY — William G. Zuber, a dairy farmer from Churchville, N.Y., was re-elected president of the Regional Cooperative Marketing Agency (RCMA).

Mr. Zuber heads the slate of officers and Executive Committee members that were unanimously re-elected at RCMA's December Board of Directors meeting on December 7 in Syracuse, N.Y.

The presidency of RCMA, a dairy bargaining cooperative with 22,000 members in 11 states of the Northeast, continues a distinguished leadership career in agricultural organizations for Mr. Zuber, who was first elected RCMA president in 1984.

He is president of Upstate Milk Cooperatives, based in Le Roy, N.Y., a post he has held for 11 years. He has also been active in the Cooperative Extension Service of Monroe County and the American Dairy Association. He was formerly president of the Monroe County Farm Bureau.

Other officers re-elected were Vice President Norman Harvey of Florence, Vt., who is president of Agri-Mark cooperative; Treasurer Lloyd Patterson of St. Johnsbury, Vt., president of Cabot Cooperative; and Secretary William Murphy of Stamford, N.Y., independent director of RCMA Region 11.

Re-elected to the Executive Committee were Robert Storch of Troy; George Demeree of Little Falls, N.Y.; Don Duncan of Robesonia; Roy Hetrick of Bernville; Harold Howrigan of Fairfield, Vt.; Lewis Gardner of Galeston; and Clyde Rutherford of Otego, N.Y.

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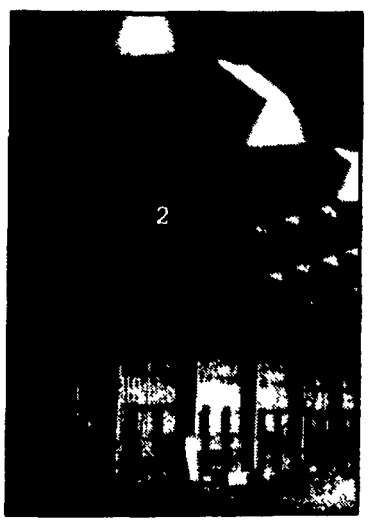

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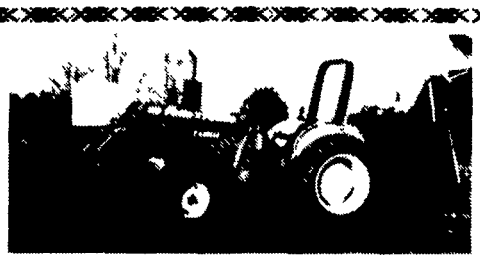

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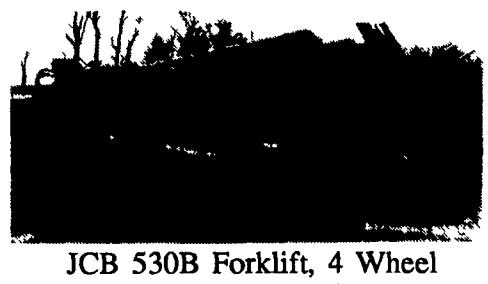

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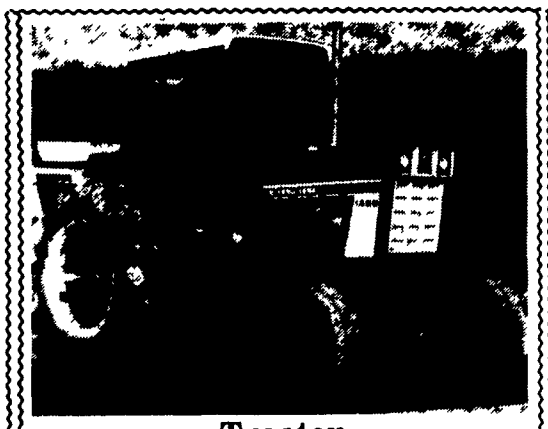

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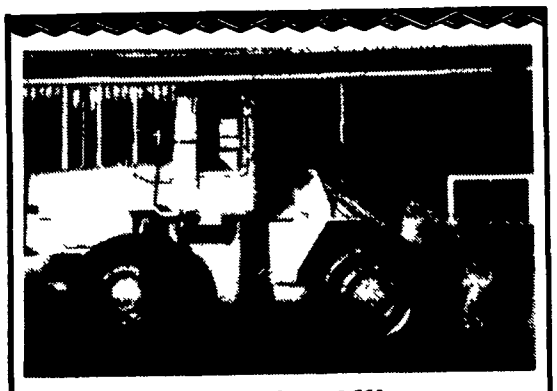

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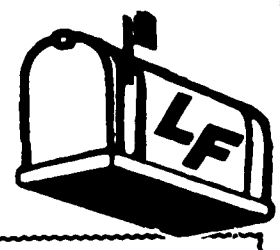

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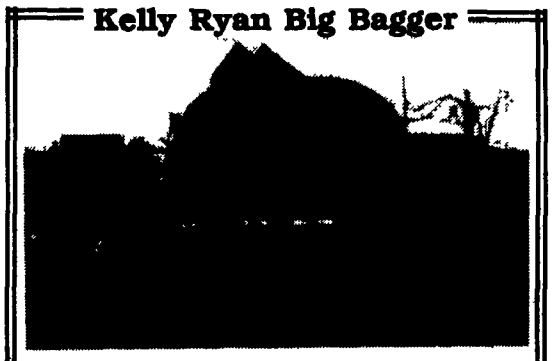

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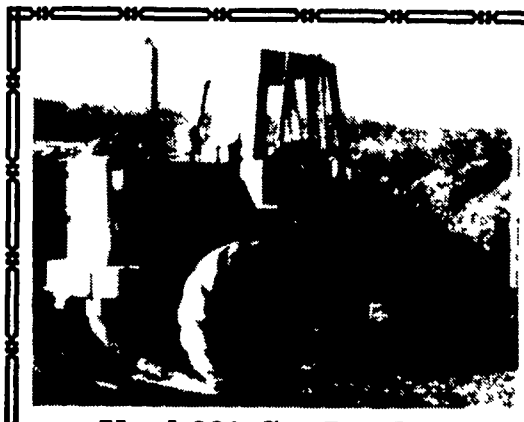

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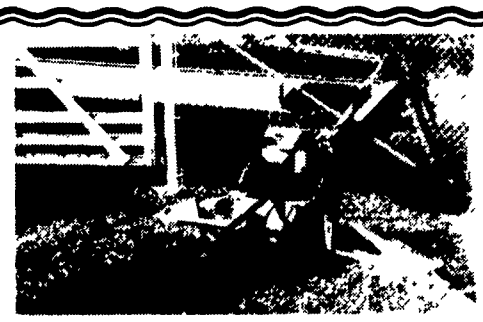

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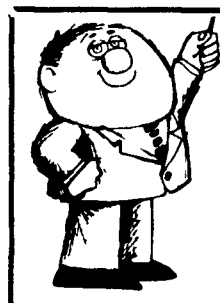

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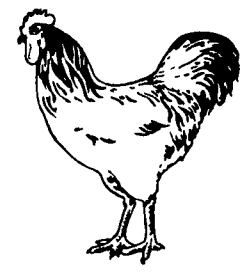

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USED EQUIPMENT

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Fox Super E, Hydro, 3R Head, Harvester
JD 716 Tandem Forage Wagon
Goosen Stationary Bale Chopper
NH 271 Baler w/Thrower
Kuhn GMD 66 Disc Mower
Woods 10' Offset Rotary Mower
1820 18 Hp Grasshopper
1200 12 Hp Grasshopper
Yanmar 146 14 Hp, 48"
Jacobson 16 Hp w/Snowblower
Hesston 1150 12' Windrower
Kubota, B7100, 16 HP, 4WD

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1 FARM EQUIPMENT

IH 4150 skid loader, 58 hp diesel, new bucket, very good condition, $7,000 301-775-7519.

IH 444 end loader, diesel 38 HP, 3 PT live PTO, very nice $4500 301-898-7426

IH 460 tractor, like new rubber, $2,250 ; IH manure spreader, PTO, $795. 717-949-3074 or 703-879-9926

IH 46 baler, NH rake, Kuhn 4 reel tedder, 2-14 plow, 6' Bush Hog, JD 2010 tractor, 2, 14' alum. gates, Lincoln 250 welder. 201-782-9866.

I H 5100 Grain drill, Westfield 6x31 transport auger, I H 540 Moldboard plow, Vicon fert spreader, 300 gal. field sprayer 215/754-6358.

IH 560 diesel, WF, 3 pt. hitch, rebuilt engine, $3,000 301-833-2311

IH 584, cab & air, 1,300 hrs., mint condition, $9,500 301-833-9091

IH hydro 86, $4,200 301-833-9091

IH Model 963 corn head, low hrs., excellent condition Quite growing corn. 609-655-0548 eves

IH tractors 1066, 1086 good condition 412-285-4934

INT 656 gas utility tractor, with sauder loader, 3PT gear drive, good TA, good condition $3500, Kewanee 32' elevator with PTO and electric motor drive $1200 OBO 717-436-8790

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International 300 tractor, aux. hydraulics, good tires, Indep PTO, Rear tractor chains, 6' Little Rhino blade $1600 OBO 301-845-8858

International Super H tractor, with loader $1150, NH Hay Rake 259, rubber teeth, HD, like new, $1400, NH 479 Haybine $850, 3-point hitch 3 PH 6 ft wide Brush Hog heavy duty built $575, JD 1240, 4 row corn planter, $550, 609-881-0880

International 706 gas tractor, very good condition, like new tires, $3250 717-758-2136

JD 1020 gas, like new, $4,500 301-833-9091

JD 1020, gas, rebuilt engine, repainted, $4,800 301-833-2311

JD 18' 220 spring cushion center fold disc, good condition (717)786-1587

JD 1946B, electric start, Power-Trol, good worker, $1,000. 814/735-3162

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JD 2630, $5,200 301-833-9091

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JD 300B loader, 3PTH, reverser, 600 hrs , excellent scraping tractor. Chester Co 215-869-8360.

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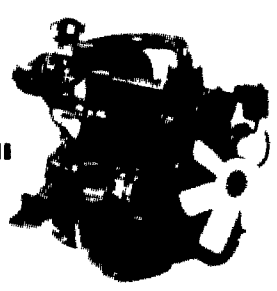

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NH 56 Rake
DA KH 500 Tedder
NH 411 Discbine
NH 1495 Haybine Hydro Cab A/C
Pequea 786 Haymaker
NH Crop 8 Wagon
Brillion 14' Pulverizer
Brillion 21' X Fold Pulverizer
JD 14' Roller Harrow
WF 5100 6 Row Planter
NH 775 Skid Loader
NH 781 Skid Loader
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Oliver 550 Diesel, New Engine	$ 4,500
JD 2350 w/Hi-Low Rack & Pinion, Exc.	Call For Price
JD 4000 1972 Model WF 18.4x38 Tires, Exc.	Call For Price
JD 4250 w/Cab, Heat, Air, Exc.	Call For Price
JD 2940, Excellent	Call For Price
MF 2675 Cab Heat, Air, 2200 Hrs , 1 Owner, Excellent	Call For Price
JD 2840 Tractor, Excellent	Call For Price
MM 335, 3PT Hitch, Wide Front	$ 2,800
JD 650 MFWD w/60" Mid Mower, 20 Hrs , New Warranty	$ 7,950
JD 4050 1987 Model 4 Post PS	Call For Price
Farmall 400 w/Pulley, Fast Hitch, New Torque and Motor	Call For Price
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JD 4400 Gas	$ 4,995
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Spreader Box	$ 750
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NI 325 Picker Sheller	$ 2,500

HAY EQUIPMENT

NH 326 Baler w/Thrower, Loaded, Hyd Bale Tension & Controls	Coming In
JD 7' Grass Head	$ 2,250
NH 469 Haybine	$ 1,995
JD 24T Baler w/30 Ejector	$ 1,850
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JD 350 mower	$ 1,750
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Ford 4000 Gas Nice Cond	$3,950	$3,450
IH 70 Hydro Extra Nice	$7,900	$7,200
IH 706 Recent Overhaul	$5,850	$4,700
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JD 855 4WD w/70 ldr., 800 hrs., turf tires, $10,800
JD 1530 dsl. tractor, 145 front loader, good cond., $7,500
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NH 256 Rake, good cond., $1,900
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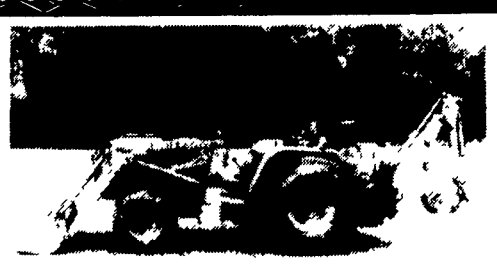

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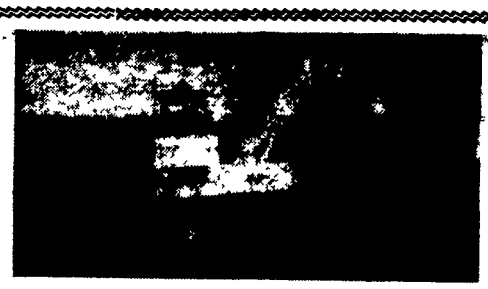

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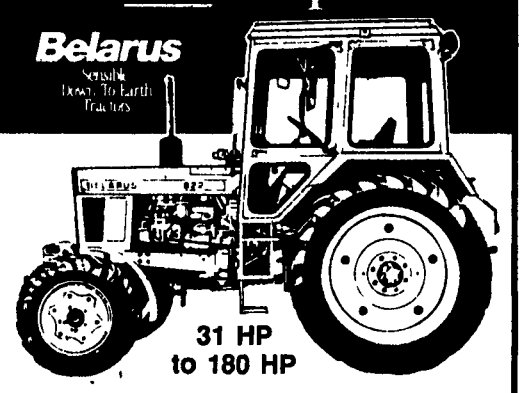

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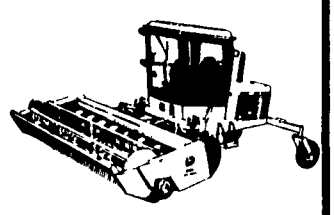

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JD 3155 4WD (Demo)
JD 4255 4WD (Demo)

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JD 348 Baler
JD 350 Sickle Mower

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JD 4010 tractor	SOLD	$4,500
JD 2500 Plow 5x18	SOLD	$2,500
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NH 489 mower conditioner		$3,950
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Case 1816B fork & bucket
Ford 555A TLB w/extendable dipper extremely clean
Ford 555B, TLB, 4WD, less than 500 hrs.
Ford 2110 SSS, 4 WD, w/776 loader
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David Brown 995
Ford 800
Ford 8N
Ferguson 20
Ferguson belly mower
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JD 336 Baler & ejector
NH 320 Baler w/thrower, price reduced
NH 269 w/thrower
NH 273 baler, SS/PU & bale thrower
NH 850 round baler, manual wrap
NH Super 717
JD 65 blower
Fox 1R corn head f/Fox 2000
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NI 217 ground drive, excellent condition
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JD 54 spreader
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Mobile Home 14x70, 1985 Pine Grove, 3BR, 1 bath, large window, AC, 10x18 deck, gable roof, good condition, must be moved $20,000 215-968-0113

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New & Used Parts For Oliver, Minn Moline & New Holland. 717-333-4256

NH 1033 stack wagon, 105 bale capacity, good condition. (804)421-3114.

NH 269 haybaler w/thrower $700. 301-898-7426

NH 489 Haybine, nice, $3,800 NH 75 Bale Thrower, like new, $850 JD 7000 6RN corn planter, dry fert., $3,800 717/733-0575.

Nice K Gleaner, 10' & 3-30", thru our shop, $5,950 Larry Stalter "The Combine Man" 1-800-248-2151

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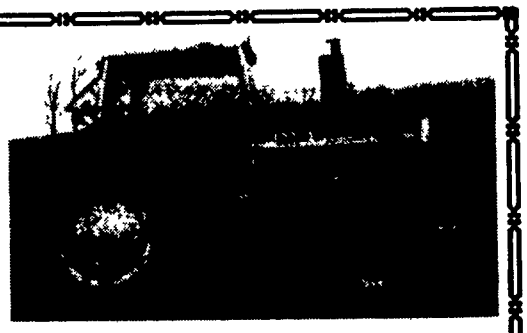

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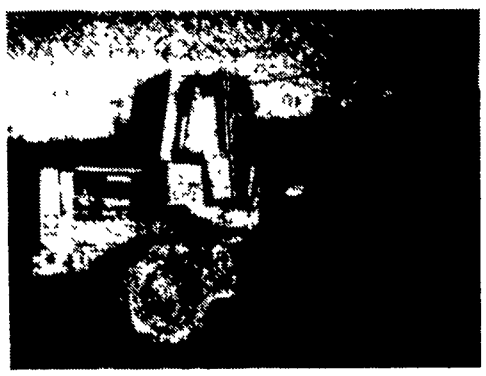

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JD 215 Flex Head	$ 4,900
JD 653A Row Crop Head	$ 7,900
JD 444 Corn Head	$ 4,400
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JD 244 Head	$ 2,800
White 8900 Storm Damage	
White 8600 w/2 Heads	$10,900
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JD 2840, good
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JD 650 MFWD w/60" belly mower and loader
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12 Ft. Bushhog Tandem Disk, wheel lift
2R Braco Potato Harvester w/PTO Drive
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IH 56 RR wide planter with dry fertilizer
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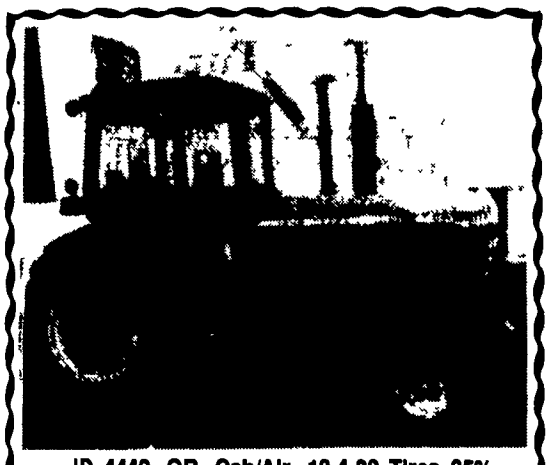

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MF 275 w/loader	$ 7,900
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Deere 5400, 2 heads, very good, $19,900. Larry Stalter "The Chopper Man". 1-800-248-2151

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DISMANTLING FOR PARTS: Case 1450 Loader w/ROPS, Cab, good U/C (no engine), many other parts available. Balanda Equipment Co Palm, PA 18070 1-800-322-8030

DISMANTLING FOR PARTS JD 350C, LGP Dozer w/6-way blade, ROPS, good engine, good U/C. Many parts same as standard JD 350C Balanda Equipment Co Palm, PA 18070 1-800-322-8030

DO YOU HAVE a Farmec, Smoker, Hub, NH or MLR #155 hay and grain elevator? WE HAVE new parts for it! New Holland Elevator Co (717)687-0102.

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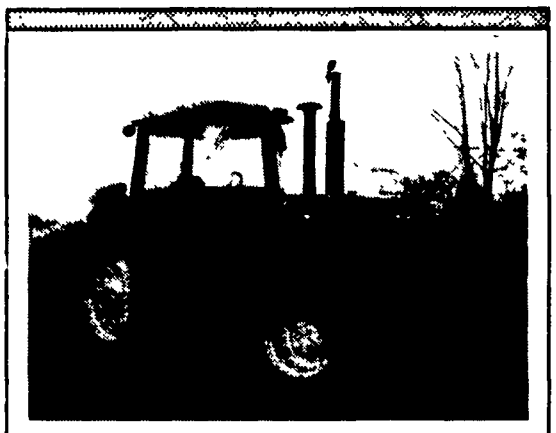
F2 4 cylinder 813 engine hrs , 13', sheded, about like new, $9,800 , IH 1640, 4x4, $59,900 Larry Stalter "The Combine Man". 1-800-248-2151



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1984, 2000 Hrs, 3 Remotes,
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Fully Equipped,, 3100 Hrs.
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MF 33 15x7 grain drill, grass & fertilizer, nice
JD FBB double disc 15x7, grass & fertilizer, nice
IH 510 16x7 disc, grass & fertilizer, nice
McCormick Deering 16x7 dbl. disc, grass & fertilizer, good
Ontario 12x8 dbl. disc, grass & fertilizer

BALERS
IH 445 baler w/15 thrower, nice
NH 320 baler w/58 thrower, nice
NH 270 w/thrower, nice
NH 269 w/thrower, good
NH 850 round baler w/auto wrap, $2800
NH 273 Super Sweep w/chute

MISCELLANEOUS
JD 400 grinder/mixer
NI 12A manure spreader
Athens 3PT 7 tooth chisel plow w/gauge wheel
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NH 519 manure spreader
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Pittsburgh 12' tandem axle wheel disc (20" disc)
IH 55 pull type chisel plow
NI 224 tandem spreader, good
JD 34' corn & grain elevator w/11' drag line
Pittsburgh 8' wheel disc, nice
JD 3PT, 3 bottom plow w/gauge wheel
IH 540 4x16 semi-mount plow w/gauge wheel
Oliver 4x16 semi-mount plow
JD 10' cultipacker, nice
JD 14' 3PT spring tooth field cult.
IH 510 4x16 semi mount plow w/gauge wheel, nice
NH 36 crop chopper, $975
NH 24' elevator
Zimmerman 28' elevator
Oliver #5 corn picker

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1938 CLET TRAC, #EHG62, CRAWLER TRACTOR
1940 FARMALL H ON TIP TOE STEEL WHEELS, #108036

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1720, 4WD, w/QT Loader, 265 Hrs.
NH 144 windrow inverter, like new
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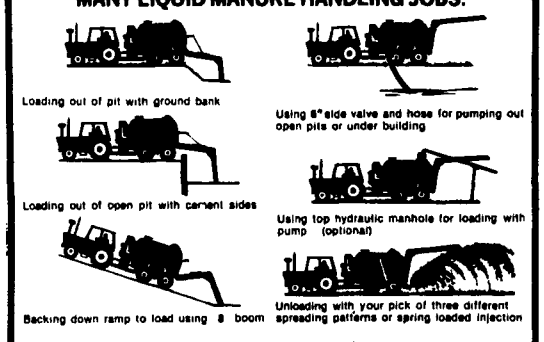
THE SLURRY BUGGY IS DESIGNED FOR YOUR MANY LIQUID MANURE HANDLING JOBS.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Ford 555B TLB, 4WD, 4 in 1 bucket, less than 800 hrs.
Ford 340 TLB, good condition
4500 TLB, 3 to choose from
JD 2010 TLB
Case 580CK TLB, runs good
Ford 3400 TL w/cab
Ford 515 TL w/3 pt. & PTO
Austin Western Crane, 50' boom, 4 whl. steer, 15 ton
Huber Maintainer, runs good w/blade
Cat Motor Grader, model 112 w/pony engine
Bobcat 720 skid loader, 30 h.p. Wisconsin eng.
Gehl skid loader model 2600, 25 h.p. Onan eng.
Stow 1 ton roller, 1988 model
New 1550 Kubota, 4WD, hyd. trans., looks good
New Ford TW15, cab, air, 4WD
New Ford 8630, 4WD, PS, cab & air
New Ford 4630, 8x8 synchro trans. 2 spool remote
Ford 8000, 8x2 w/dual power, eng. overhld
(2) 4000 Ford tractors to choose from
Ford 1900, 4WD w/loader, 482 hrs.
Ford 1100 w/mower
(2) Ford 800's, new paint, tires good
Several 9N Fords w/3 pt. to choose from
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NH 355 grinder mixer, demo
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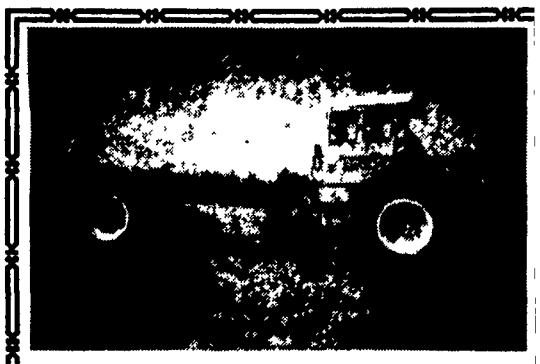

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Condition rating on scale of 1 to 10 (10 is best) or N = new unit; D = demo unit; R = rental unit

Farmall 400 gas, WFE	(5)	$ 2,000
MF 30B tractor loader, dsl., shuttle shift, 3 pt.	(5)	$ 5,300
Case IH 245 compact dsl. tractor, 21 HP, 2WD	(N)	$ 7,700
Case IH 275 compact dsl. tactor, 30 HP, 4WD.	(N)	$ 9,900
IH 5100 grain drill, 16x7, DD openers, press wheels	(N)	$ 5,500
Case IH 5100 grain drill, 18x7, DD openers, press wheels	(N)	$ 6,000
IH 5500 chisel plow, 7 shank, 3 bar, 3 pt.	(N)	$ 1,950
IH scraper blade, 6', 3 pt.	(N)	$ 325
NI 406 rake, 9'6"	(N)	$ 2,850
NI 9306, 6 row double frame planter	(N)	$ 9,900
NI 3618 manure spdr, 180 bu. w/endgate	(N)	$ 4,300
NI 3622 manure spdr, 220 bu. w/endgate	(N)	$ 4,950
NI 3816 slurry spreader, 1600 gal.	(R)	$ 4,500
Gehl 1465 round baler	(N)	$ 9,500
Gehl 1560 forage blower, 1000 PTO	(D)	$ 2,555
Gehl 170 grinder mixer.	(N)	$ 9,300
Gehl R260 10' rotary rake	(D)	$ 2,350
Gehl 175 manure spdr. w/endgate 175 bu.	(N)	$ 4,100
Gehl 215 wheel rake, 3 pt.	(D)	$ 995
Bush Hog 5' rotary mower, 3 pt.	(N)	$ 775
Bush Hog 6' rotary mower, 3 pt.	(N)	$ 975
Bush Hog 6' heavy duty rotary mower, 3 pt.	(N)	$ 1,450
Bush Hog post hole digger	(N)	$ 625
Pequea hay tedder, 7' PTO pull type	(N)	$ 1,475
NH 512 manure spreader	(7)	$ 1,495
NH 1495 self-propelled haybine, dsl., cab.	(6)	$11,400
NH 488 haybine, 9' cut, rolls excellent	(6)	$ 2,700
NH 489 haybine, 9' cut	(5)	$ 3,200
NH 310 baler w/thrower, 1 owner	(6)	$ 2,900
NH 273 baler w/thrower	(5)	$ 900
NH 1495 self propelled, gas, van speed	(5)	$ 6,900
NH 27 forage blower	(5)	$ 600
NH 30 forage blower, 1000 PTO	(6)	$ 775
NI 527 disc mower, 3 pt. 7' reconditioned	(7)	$ 2,400
NI 214 manure spdr, 200 bu., endgate	(7)	$ 1,800
NI 904 corn planter, 4 row N, extras	(6)	$ 5,000
NI flail chopper, 5' cut	(2)	$ 225
NI 32' elevator w/motor mount	(4)	$ 500
JD 65 forage blower	(2)	$ 175
JD 660 manure spreader w/endgate	(7)	$ 3,000
Gehl 99 forage blower	(5)	$ 600
Gehl 2 row corn head, fits 600, 800 harv.	(3)	$ 300
Badger forage box, roof, 3 beater, tandem	(5)	$ 975
Kasten forage box, 2 beater, no roof	(4)	$ 600
IH 800 corn planter, 4 row	(5)	$ 3,500
Glencoe 12' field cultivator	(5)	$ 700
Deutz Fahr hay tedder 18'.	(6)	$ 800
Hesston 10' swing frame	(5)	$ 1,225
White 256 disk harrow, 13' tandem	(6)	$ 1,295
Oliver Superior grain drill, 12x7	(3)	$ 300
Hardee rotary mower, 3 pt. 5' hydraulic offset	(5)	$ 1,300
Wic bedding chopper, 3 pt PTO, 1 yr. old	(7)	$ 995
Meyer 7' snow plow	(7)	$ 475
Mighty Mac skid loader	(5)	$ 1,900
NH 328 spreader (for feed or wood cart)	(1)	$ 150
ATTACHMENTS:		
Case 72" material bucket fits 54 loader (new)		$ 475
Case uniloader buckets (fit 1830-1835 series)		$150 & up
NI endgate for 352 manure spreader		$ 485
White no-till planter coulters (set of 6)		$ 600

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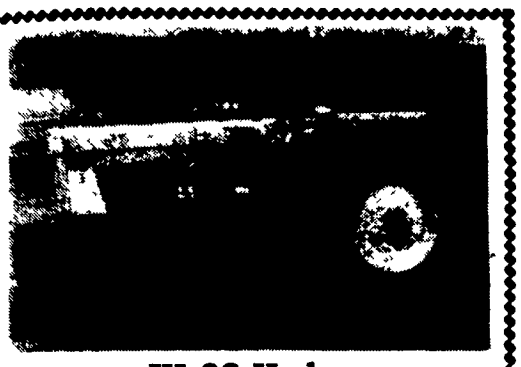

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4006 Deutz, dsl., good rubber
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MF 165 diesel, good shape w/38" rubber, WF
Oliver 1850, diesel, w/good rubber
62 HP Perkins diesel w/torque converter
MF 235 loader
12' Brillion cultipacker
HD 3 pin scraper blade

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AC B tractor w/WFE, 1R cultivator and plow, $1,200. (215)445-4410.

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AC Model B tractor w/ brush hauling trailer, wide front end, weights, NEW: battery and box, 4 tires, magneto, muffler. Rebuilt carb, lights work, complete with orginal tools, crank, spare parts, $1690 Buyer can have old tow behind 3-4' rotory mower, 215-699-4043 between 10 AM and 4 PM let ring leave name and number, work call at 10.00 AM or 3.00 PM 699-5814 ask for Fran.

A Late Deutz 130-06, 125HP, dual PTO, $7,500 OBO. 1974 100-06, 105HP, dual PTO, $6,000 OBO. 717/426-2659.

Allis Chalmer WD, 35 HP, belt pully new paint, $1,100. 301/898-7426,

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Badger BN184 lagoon pump, $1500. 301/791-6948, no Sunday calls.

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Farmall N, very good condition, $1,475; Farmall H, $725, Ford 8N w/snow plow, $1,675; Zimmerman Wide Track Wagon w/ flatbed, $550; 3 Pt. 6' disc, $350. 215/562-4464.

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FOR SALE: Ford 3-16 semi-mount automatic reset plow, excellent condition Delivery to Lancaster County possible. Luke Nolt, Plymouth, Ohio (419)896-2668.

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For Sale John Deere A and B with round spokes front and rear, BWH two M's, one with plow and cultivator, AR two 620's, on with wide front, 830. Bill Carmine 302/875-5255

Frick Sawmill $2800, Tower 3 saw edger $1500, Mellot log turner $1000 717/423-5464

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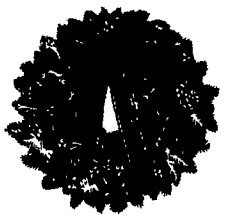

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1984 JD 4850 MFWD duals & weights
JD 4250, MFWD, power shift, cab & air, 3 outlets, very nice
JD 4250 2 wheel power shift, factory cab & air, very nice
JD 2950, cab w/air, 1800 hrs.
JD 4640 cab, air, quad, rebuilt engine w/ duals, very nice
1980 4440 cab, air, quad
1982 JD 4240, power shift, cab, air, 2500 hrs., very nice
1982 JD 4240 power shift, cab & air, very nice
1982 4240 quad, cab, air, sharp, 2350 hrs.
JD 4040 quad, cab, air, very nice
JD 4430 factory cab & air, quad range
JD 4230 quad, cab & air
JD 4030 gas, WF, fender tractor
JD 2630 w/hi-lo, very nice
JD 2630 w/reverser, cab, recent overhaul
JD 4320 w/fac. cab
JD 4320, cab and air
JD 3020 gas
JD 2020, gas utility
JD 620, LP gas, 3PT, PS, very nice

JD 450C w/6 way blade

Case IH 1989 model 7110 Magnum w/170 hrs., 2 wheel drive, like new

Uni Systems

NI 708 hydro, cab & air, very nice
NI 702 gas w/cab & air
NI 813 & 815 (low acre flex heads)
NI 711, 713 & 715 grain heads
NI 710 combine, good machine
(2) NI 717 combine (1 late model)
NI 767 Super chopper w/3RN and hay head
NI 846, 6RN
NI 725, 735, 738 corn head
NI 727 husker, low acres, very nice
NI 727 husker & 737 husker

Implements & Misc.

IH 450 fully mtd., auto. reset, 4x16"
Owatonna 345, Ford 4 cyl. Ind. gas engine, skid loader
Cabs for IH 706 thru 1466
Dual wheels - 34's and 38's
Tractor Weights JD & IH
Complete rebuilt M&W Turbo kit for IH 856
Wilrich 9 Shank Chisel w/Front Cutter Blades
Shelling unit for IH 234 mounted picker, low acres, cheap
JD 1610 pull type spring tooth chisel
JD KBA disc 8'

IH 5288 MFWD cab, air, nice, '84 model
IH 3088 radials, '84 model, sharp
IH 1486, red power, 2600 hrs., cab & air
IH 1486 factory cab & air
1981 IH 1086, factory cab & air, very nice
IH 1086 factory cab & air
IH 1086, ROPS
IH 1066, fender tractor, very good
IH 1066, fender tractor, new TA, sharp
1980 IH 986 factory cab & air
(2) IH 986, cab & air, new TA
IH 986, ROPS
IH 886, fac. cab & air, radials
IH 786, 4 post
IH 1566, red cab, w/air, sharp
IH 1466 red cab w/air & complete engine overhaul
IH 1466 red cab w/air
IH 966 fender tractor, WF, 3PT
IH 966 w/cab, clean
IH 966 w/rebuilt hydro
IH 766 w/year round cab, nice
IH 856 fender tractor, WF w/complete engine overhaul, very nice
IH 856, 3PT, WF, cab
IH 826 D, gear, 3PT, WF
IH 806 diesel, WF, 3PT, 38" rubber, nice
IH 784, 1050 hrs., very nice
IH 784 row crop w/1900 hrs.
IH 684 w/cab
IH 674 diesel, very nice
Farmall 300, gas
AC, CA, NF

Heads

(2) MF 1143 4RN corn head, good cond.
MF 1144 4RW corn head
NEW MF 9113 flex heads
MF 1859 13' flex w/U11 reel
MF 13' grain head
(2) IH 863 6RN
IH 943, 4RN
IH 820, flex 13'
IH 810 15' grain head
JD 643, 6RN
JD 443, 4RN
JD 443, low profile, 4RN
JD 216 flex head, nice
(2) 215 flex heads, nice
JD 215 flex, needs rebuilt
(2) JD 100 series rigid 13' heads, very nice
JD hay pickup head, 5½'

Combines

JD 6620 side hill, 1983 model, very nice
JD 6600, diesel, air, 1976 model, nice
JD 4400 diesel, '76 model w/air
MF 850, 4WD, 1300 hrs., 1982 model

Used Parts

IH 544 diesel, hydro Farmall
IH 504 utility
IH 856 diesel
IH 706 diesel
IH 1256
IH 70 hydro
IH 806 diesel & gas
IH 560 D
Farmall 400 & 450 D & gas
NI 702 D & 701 G
JD 4020 dsl., powershift
JD 3020 G
NI 717 combine
IH 706 gas tractor
Farmall H & M
IH dual PTO units
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JD 2150, 1,100 hrs, excellent. Coming In
JD 4020, side console, good Coming In
JD 4430, SGB, 2,100 hrs, excellent. Coming In
JD 2840, 80 h p, excellent condition
JD 2155 w/rev. trans., 300 hrs, 175 loader, #10 backhoe, like new
JD 575 skid loader, 200 hrs., demo special
JD 4040, 90 h p, QR, very good
(2) JD 1010, WFE, very good
JD 2010, WF, Good
JD 755, hydro, 60", MFWD, 100 hrs
JD 755, hydro, MFWD, loader, 120 hrs., like new
JD 850, MFWD, 400 hrs, like new
JD A, $1,200
Case 2390, cab, 1,300 hrs, excellent
IH 1066, cab, very good
IH 856, 100 h p, cab, 20 8x38 tires, excellent
IH 454, 40 h.p, gas w. Kelly loader, good condition
Farmall H w Blade, Good

COMBINES

Interest Free Financing
On All Used Combines Till
September 1, 1991

'79 JD 4400 diesel, rotary screen, ex. condition
'82 JD 4420 combine, 1,250 hrs, 23.1 tires, dial-a-matic, excellent condition
'83 JD 4420 combine, good condition
JD 6600 Level Land, diesel, hydro, good
MF 760 w 6 row corn head, 15' platform, very good, $15,500
MF 510, cab, dsl, platform, $3,500
NH 1400 combine w 13' platform & 3RN head, 1,740 hrs., excellent condition
NH 975 w platform, cab, $2,500
AC L combine w 4RW corn head & platform
MF 44 corn head, $1,500
(2) MF 43 corn heads, $2,500 each
JD 444 corn head
JD 443 corn head, Low profile, exec.

MISC.

JD 237 picker, excellent, $500
JD 2450 5 btm plow, on land, very good
JD 3960 forage harvester w pickup, 2 RW corn head, good condition
NH 310 baler w 70 thrower, excellent
NH 488 haybine
JD 1207 mower conditioner, good
(4) JD, NH, NI mower conditioners
12' Dunham Lehr, very good, $4,500
JD 146 Loader
Case IH 5100 Grain Drill, 24x6, soybean special w grass seed, very nice

NEW COMBINES

JD 4435 hydro
JD 9400 maximizer
JD 9500 maximizer

NEW TRACTORS IN STOCK

45 h p 2155
55 h p 2355
85 h p 2955, 4 post, RG
95 h p 3155, SGB, MFWD
120 h p 4255, SGB, PS- demo special
140 h p 4455, SGB, MFWD
Special Financing-Interest Free Till 4 1 91

NEW IDEA

USED EQUIPMENT

NH 495 Haybine
(2) NH 489 Haybine
A 6R 30" Head for AC Combine
JD 4400 Combine w/13' Grain & 4 RN C H
Hesston 7150 Forage Harvester
White 5100 6R No-Til Planter, (Sharp)
White 5100 4 Row Planter
JD 7000 12R Corn Planter
Badger Manure Spreader
NI 213 Manure Spreader
Int. 56 4R Corn Planter
Hesston PT10 Windrower
Hay Buster 107 No-Til Drill
IH 15' Chisel Plow
Vicon 15' Power Harrow
White 6342 3 Bot Roll-Over Plow (New, Weathered)
(2) JD 1209 Windrower
JD Double Windrow Attachment For 1209 Or 1219
MF 128 Baler w/Thrower
White 2-85 Tractor w/Cab
White 8700 Combine
White 8900 Combines
Farmall M Tractor
Westfield 8x51 Auger

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Ford TW5 tractor 1984 $400 equiped w/air amfm radio White 13' disc 5 bottom plow 16" $41,000 OBO Call Bob or Joe, (609)692-1831.

For most any grain or corn header, or self propelled choppers Call Larry Stalter, "The Combine Man" 1-800-248-2151

USED TRACTORS

Int. 650 Diesel	$2,150
Int 650LP	$2,150
JD 820	$3,250
JD R	$2,650
JD D	$1,650
(2) MM GB LP	$1,550 to $2,750
(4) MM UTS	$1,100 to $1,600
(2) MM G1350 Diesel	$6,500 to $7,500
MM G750 LP	$1,950
MM G706 LP	$2,950
MM G707 LP	$2,450
MH 55 Diesel	$2,150

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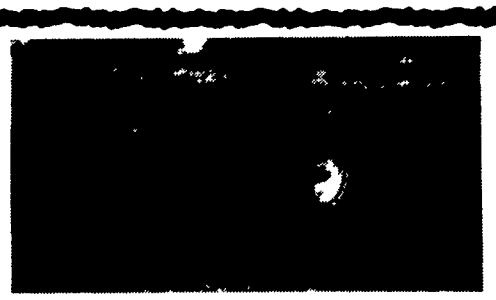

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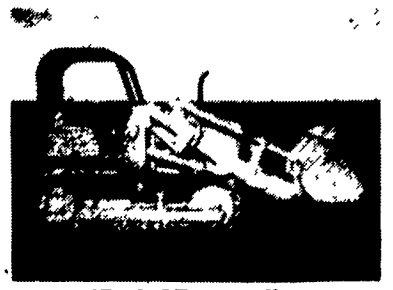

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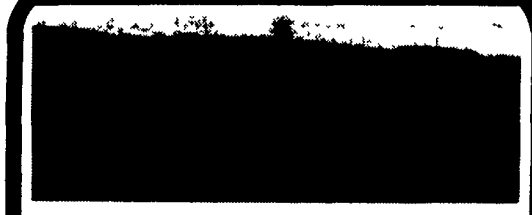

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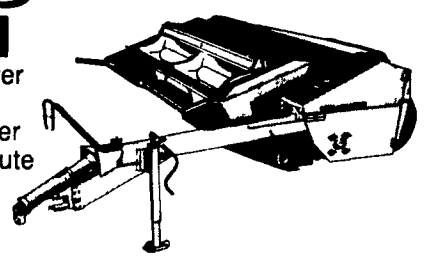

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NH 275 Baler w/Thrower
NH 276 Baler w/Bale Thrower
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NH 489 Haybine
NH 890 Forage Harvester
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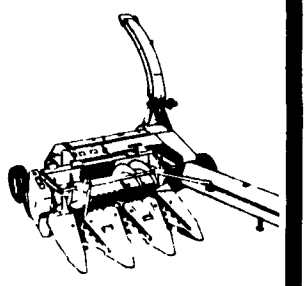
FORAGE HEADS



NH 770W Hay Pickup Head
NH 770 R-2 2 Row Corn Head (Wide)
NH 880W Hay Pickup Head
NH 880 N-2 2 Row Corn Head (Narrow)
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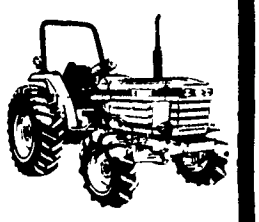

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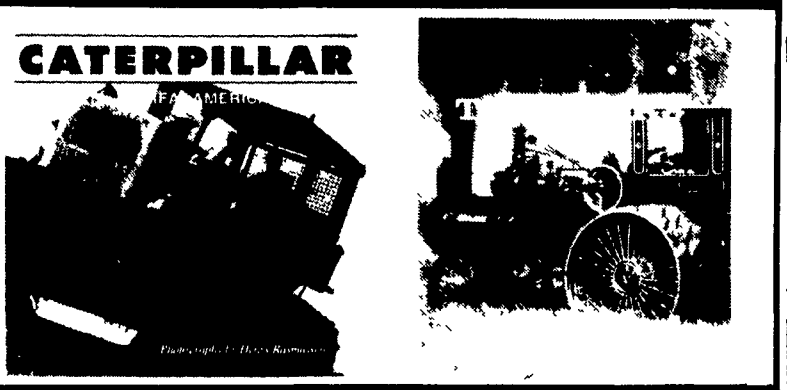

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Ford 7000 Dsl. all purpose, dual power, dual remotes, very nice
Ford 5610, 4 WD, 1984 Model, cab, air, 3 remotes, Ford 777F loader, 600 hrs., like new
Ford 5000 Dsl. 1981 Model, 8 spd., 2 remotes, very nice condition SOLD
Ford 5000 Dsl. 1974 Model, flat deck, 2 remotes, excellent
Ford 4000 Dsl., 8 spd, flatdeck model w/new tires, nice cond.
Ford 3000 dsl., 8 spd., w/Ford loader and rear weights, very nice
Ford 4000 dsl. 8 spd. 2 remotes, weights and Ford Loader
JD 4020, 1971, side console, syn. range, w/factory cab w/heat, 2 remotes, Turbo, weights, original, nice
JD 4430 1975 [illegible], air, quad, orig. & very nice SOLD
JD 4620 w/factory cab, power shift, 2 remotes, 20x38 radials, excellent
JD 4520 w/year-round cab, air, 3400 hrs., 2 remotes, very nice
JD 4050, Late Model, Low Hours, 15 Spd., Power Shift, Excellent
JD 3010 dsl., NF, very nice
JD 2950 4WD cab & air, 2 remotes, hi-low, 38" tires
JD 4020 Dsl., Power shift w/weighs and yr. round cab
JD 730 Dsl., NF, 3 pt., PS, weights, nice cond.
JD 730 Dsl., WF, 3 pt., flat top fenders, direct start, 2 remotes, very good cond.
JD 630, NF, 3 pt., PS, all original
JD 620, PS, 3 pt., w/JD 237 mounted picker
White 2-85 Dsl., over and under, 3 remotes, very good condition
White 2-105 3 spd., over and under, 38" tires, very good condition
White 2-105 Cab, Air, 4WD, excellent
White 2-135 Cab, Air, 4WD, excellent
IH 1086, beautiful red interior, cab, air, dual remotes, 2500 hrs., excellent

USED PLANTERS AND DRILLS

Brillion SS 10 seeder w/transport wheels and acre meter, nice condition
JD 7000 4RN, reg. planter, w/dry fert., good condition
IH 510 16 disc grain drill w/seed & grass seed, like new

USED PLOWS AND CHISELS

IH 550 5x16 Reg. Trip Plow w/coulters and gauge wheel, excellent
Oliver 4x16 auto reset w/coulters
Oliver 4340 3x14 Trailer plow
Oliver 548 5x18 auto reset w/coulter, excel.
Oliver 253 12' Finishing Disc, w/tandem wheels, very nice
Oliver 548 5x18 Auto Reset w/Coulter, excel.
JD 1450 5x16 cushion trip, semi mount, hyd. hitch, coulters, gauge wheel
Glenco 9 tooth soil saver, good condition
Case 6x18 auto reset w/coulters and gauge wheel excel. (White 588)
Bushhog 3 pt. chisel w/gauge wheels, 8, 10, 12 tooth
JD 100 pull type chisel, 8 or 10 tooth
Ford 101, 316 mounted plow
White 588 5 or 6x18 auto reset, w/coulters, excellent

USED DISCS AND HARROWS

Kewanee 13' rock flex heavy duty cutting disc, very good cond.
Dunham Lehr 14' Cultimulcher, w/dual inboard wheels
JD 1520 12' Plowing Disc, dual wheels & cyl. big blades, nice condition

USED FORAGE EQUIPMENT

Gehl CB1000 w/late model pu and corn head, electric controls, good cond.
Gehl CB700 w/2RN corn, 540 PTO, hyd. sharpener, good cond.
NH 1880 self-propelled, cat dsl, hydro, 3 RN corn and pickup
AC long hopper blower PTO driven, excellent
NH 892 w/3 row auger base and PU, elect. controls, good cond.
NH 770 w/2RN corn, P.U., HD 540, very nice
NH 890 w/2RN Corn and Pickup, elec. controls, excellent cond.

JD 5400 Self-Propelled 4 WD, Cab & Air, 3 RN Corn Head, 7' Hay Pickup Head, 2200 Hrs., Excellent

USED HAY EQUIPMENT

NH 258 Rake w/rubber teeth
NH 848 Round Baler, 2 yr. old, excellent
NH 316 Baler w/thrower, excel.
NH 479 Haybine, good condition
NH 499 12' hydro swing, excellent
NH 495 12' Haybine, excel.
NH 256 Rake, very nice
NH 847 round baler one owner, excellent
NH 489 Haybine w/stub guards, very nice

USED HARVESTER HEADS

NH 890 2 RW Corn
JD 2RW w/clutch
Gehl HA 900 hay pickup
Gehl 3RN late model, good cond.
Gehl 2RN Head, excellent
Gehl TR30 38 late model 2R adj. cornhead
Gehl 6' open end pickup w/dolly wheels
JD 7' Hay pickup w/wheels
NH 1 row corn head, fits 717 or 770

MISCELLANEOUS

NH 679 Tandem Axle Spreader w/gate
MF 410 Combine 13' Hume reel, cab & air, extra nice
JD 18x38 axle mount duals
JD 244 2RW snapper head w/forage harvester adapter plate

USED SILAGE WAGONS

Papec Dion 3 beater w/roof and tandem
Lamco 2 beater, no roof
Lamco 2 beater, RH unload
JD 716A tandem, 3 beater w/roof

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JD 48 Loader w/brackets, very nice
Allied 660 QT SOLD **w/Ford brackets**

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JD 750 MFWD Tractor
JD 2155 2WD Tractors
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JD 3155 MFWD SG Tractor
JD 3PTH Rotary Cutters
JD 710 8'9" Mulch Tiller
JD 610 8' Chisel Plow
JD 970 12' Roller Harrow
JD 350 Manure Spreaders
JD 1460 Disk Mower/Conditioner
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JD 348 Twine & Wire Balers
JD AMT 600 Utility Vehicle
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Ford 2000 Low Profile Gas Tractor
Ford 2600 Gas Tractor
IH Cubs
JD 1050 MFWD Tractor w/Loader
Kubota B7100 Hydro Tractor
JD 3300 Gas and Diesel Combines
JD 346 Wire Baler
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JD 4020, '67 model
JD 3020, diesel, WF
JD 4010, diesel w/cab
JD 4430, cab & air, quad range
JD 4230, cab & air, quad range
JD 4630, 4 post, QR
JD 2840, high & low, dual hydraulics
JD 2520, diesel
JD 2440, excellent condition
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Deutz 130-06 w/cab, 4WD
Deutz DX140, cab & air, 4WD
AC 7000 w/cab & air
AC 200
Ford 5000, late model
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IH 1066, cab & air.....$9,000
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White 2-135, cab & air
Oliver 1855 w/cab
MF 180 diesel
MF 1105, cab & air, 2,500 hrs., 1 owner
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JD 310 backhoe
Case 450 w/6 way blade
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DEUTZ: D6806, DX140, 4006 w/Ft. Loader.
FORD: 7600 Hi Clearance, 3000 Diesel w/Ft. End Ldr., 4000 w/Ft. End Ldr., 545 w/Cab, 545A w/Cab, 5000, 3000, 8N's, 7000; Jubilee w/Front Loader; 861.
IHC: Farmall 1206 Turbo w/Cab, 886, Super A Hi Clearance, 140 Hi Clearance, M, 200 w/Wide Ft. End, 100 Hi Clearance, 100 Cub, Super H; 574 w/Front Loader.
JD: 4440 4WD w/Cab & Dual Rears.
KUBOTA: M4950 4WD w/Ldr., M5500 4WD w/Ft. End Ldr., 6100 4WD.
MASSEY: 275 Diesel, 40, 135, 135 w/Ft. End Ldr., 35 Deluxe w/Ft. Loader.

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McKee Corn Hogs, Wetmore Grinder/Blower, Gehl 2R Snapper Head; NH 1R Snapper Head; Kools Re-Grinder/Blower; Speed King 80, 24' 8" Grain Auger On Transport, PTO Drive.
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AUTO RESET PLOWS
AC: 2000 4 Btm
FORD: 3 Btm 3 Pth
IHC: Like New 720 4 Btm , 710 6 Btm w/On-Land Hitch, 720 6 Btm w/On-Land Hitch, 700 4 Btm , 710 3-5-6 Btm
JD: 3600 Trailer Plow, 2600 6 Btm , 2500 7 Btm w/On-Land Hitch, 2500 7 Btm , 4-5 Btm w/Tandem Hitch, 2600 4 Bottom
KUBOTA: 3 Bottom.
WHITE: 588 5 Btm.
OTHER UNITS: Brillion 10 & 12 Ft Cultimulchers, Massey 4 Btm. 3 Pth Rollover Plow, Kewanee 9 Shank Trailer Chisel Plow, Athens 7 Shank 3 Pth Chisel Plow, JD 1250 3 Btm. 3 Pth.

DISCS
AC: 2300 Tandem 10 Ft Disc, 3300 Transport Offset Disc, 14 Ft Tandem Wing Disc
ATHENS: 131 Tandem 11 Ft Plow Disc
BUSH HOG: 9 Ft Offset Plow Disc
IHC: 350 12 Ft Disc, 480 Tandem 20 Ft Wing Disc, 760 Offset 13 Ft Disc
JD: KBA 10 Ft Disc, 310 14 Ft Plow Disc.
KEWANEE: 610 Tandem 16 Ft Wing Disc w/Folding Gang
MASSEY: 12 Ft Tandem Disc
TAYLORWAY: 13 Ft Rock Flex Disc
WHITE: Like New 13 Ft Tandem Disc
OTHER ITEMS: New Brillion 16 Ft Danish Tine Transporter Harrow, Glenco 3 Pth 4 Row No-Til Cultivator, 2-4-6 Row 3 Pth Cultivators.

INDUSTRIAL

DOZERS: JD 450C w/6 Way Blade, Case 450 With 4-1 Bucket, Case 450B w/6 Way Blade, AC 653, AC H3, IH TD15
TRACTOR/LOADER/BACKHOES: Ford 3000, Case 480, Case 580, AC 615, Kubota B8200 4WD; Belarus 420A 4WD, Case W-3, AC 714 TL w/Cab.
OTHER ITEMS: AC 640 Loader, Oliver OC3 Crawler, JD 440 Log Skidder, Case 1816C Skid Loader, Massey 2135 Turf Special Front Loader, Ford 515 w/Roadside Maintainer, General 3 Axle 9 Ton Tag-A-Long Trailer, Binkley 28 Ft Deck Equipment Transport Trailer, Asplundh Brush Chipper, Industrial Air Compressor, Brush Bandit Self-Feeding Brush Chipper.
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FORAGE BLOWERS: Gehl 99, NH 28
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BALERS:
NI: 484 Round Baler.
GEHL: 1310 Round Baler, Makes 4 Ft Bales
JD: 346 Sq. Baler w/Thrower
DEUTZ: HD 490 Sq. Baler w/Thrower
NH: 275 Square Baler.
HAYBINES:
HESSTON: 1070, 1071, 1080.
NH: 472, 489
IHC: 1190
GEHL: 1090
DISCBINES:
HESSTON: 1050
MISC: Assorted Rakes And Tedders, NI 272 Cut/Ditioner, Grove Hydro Drive Forage Wagon, Hesston 10 Stack Processor, 40' Round Bale Trailer, Case IH 8610 Bale Processor.

PLANTING EQUIPMENT

AC 6 Row No-Til Corn Planter w/Liquid Fertilizer, Very Good Condition, AC 2 & 4 Row No-Til Corn Planters, Ford, John Deere, AC 2 Row 3 Pth Corn Planters, John Deere 2 Row Potato Planter, Brillion 10 Ft Cultipacker Seeder, JD 8350 Double Disc Grain Drill, Brillion 5' Cultipacker

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IH 284, With 5' Mower
IH 244 w/5' Mower
IH 235 w/5' Mower
Yanmar 187 w/5' Mower
Cub w/5' Mower
Cub 154 Low Boy w/5' Mower
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USED EQUIPMENT

IH 475 disc, 12'
JD 35 Chopper w/2 Row Head
NH 469 Mower Conditioner
NI 245 Spreader
NI 3626 Spreader
Woods C80 Mower
Woods RM 59 Mower
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Case IH 8520 Round Baler
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Ford 6600 w/Dual Power
Ford 555B 4WD, Loader Hoe
Ford 5000 Gas SOS
Ford 515 Dsl., Loader, Backhoe
Ford 3600 Dsl., PS, w/Canopy
Ford 3000 w/Blade
Ford 3000 Dsl., 8 Speed
Ford 2110 2WD, PS, 800 Hrs.
Ford 1720 4WD, PS, w/7108 Loader
Ford 1520 4x4 w/Loader
Ford 1510 4WD w/Loader
Ford 1320 2WD, PS, 75 Hrs.
Ford 1310 4x4 w/Loader
Ford 1110 Hydro w/48" Mower
Ford 335 D w/Loader
MF 135 Gas, PS, LPTO, 8 Spd.
JD 40 3PT
JD 1020 Gas
AC 5020 Turf Tires
AC B w/Mower
Farmall Cub w/Mower
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Equipment

JD 3300 Combine
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NH 320 Baler w/Thrower
JD 346 Baler w/Kicker
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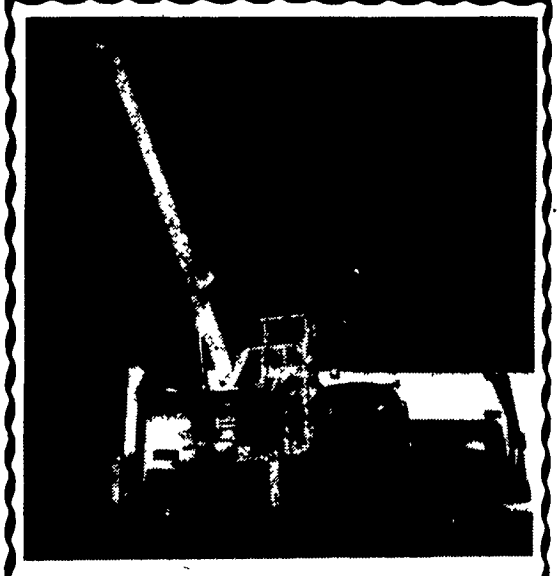

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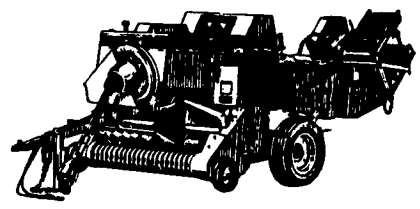

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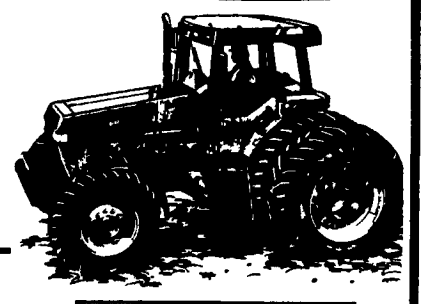

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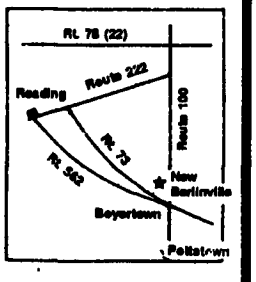

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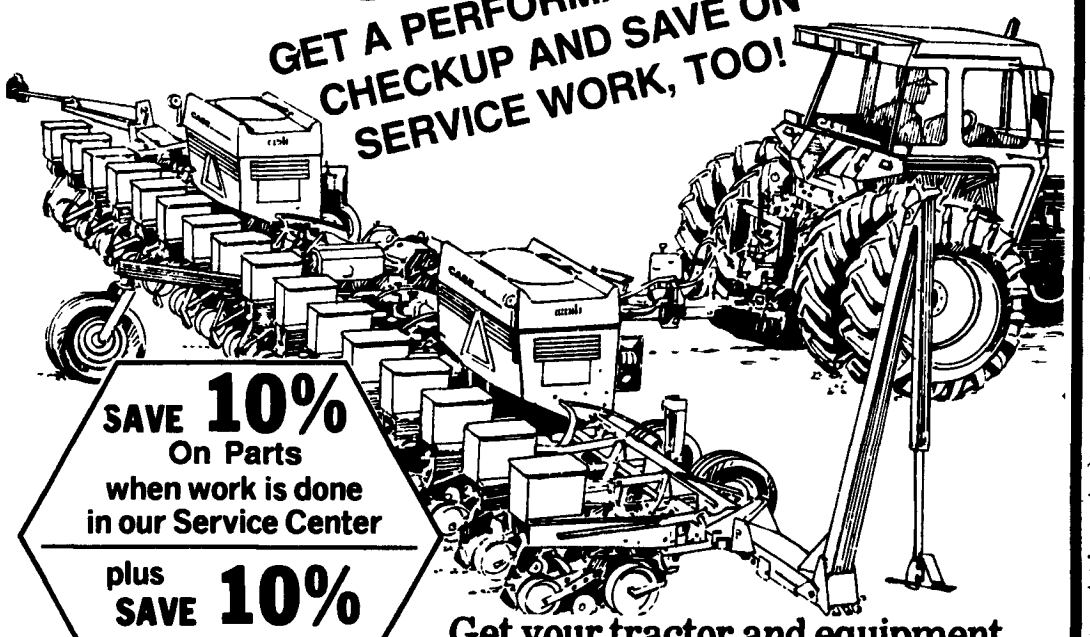

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- IH 1066 Tractor w/Cab
- IH 1086 Tractor w/Cab
- Farmall H Tractor
- IH 686 Tractor
- IH 460 Tractor
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- Oliver 1255 Vineyard Tractor

SKID LOADERS

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- Case 1537 Skid Loader w/Deutz Diesel
- Case 1816 Loader w/Bucket
- NH LB620 Loader/Backhoe, 4x4, 56 H P. Diesel, 450 Hrs., Like New
- Case 1830 Skid Loader
- NH L445 Skid Loader, 900 Hrs.
- JD 70 Skid Loader w/Fork & Bucket

HAY & FORAGE

- NH 326 Baler w/70 Thrower, Clean
- NH 315 Baler w/Thrower
- NH 278 Baler w/Thrower
- NH 320 Baler w/Thrower, Real Nice
- JD 336 Baler
- Vermeer 605C Round Baler
- Gehl 1460 Round Baler
- IH 27 Baler w/Thrower
- NH 411 Discbine, Nice
- IH 720 Forage Harvester w/2 Row Cornhead, Pick-Up
- IH 1895 S.P. Harvester, Metal Detector, 4WD, 4 Row Cornhead, Pick Up
- NH 1495 SP Haybine, 12 Ft. Head
- NH 495 Haybine, 12 Ft.
- NH 489 Haybine
- NH 488 Haybine
- JD 490 Mower-Conditioner
- Hesston PT10 Mower-Conditioner

PLANTING & TILLAGE

- MF 18 Ft. Rock-Flex Disc Harrow, Hyd. Wing
- White 252 12 Ft. Disc Harrow
- AC 333 Planter, 6 Row, Exc. Cond.
- IH 56 6 Row Planter
- IH 3 Bottom 440 Plow
- IH 37 10 Ft. Disc
- NH TD50 Disc Harrow, Like New

SPREADERS

- NH 791 Spreader
- NH 676 Spreader
- NI 355 Tandem Axle Spreader, 550 Bushel, Top Beater, Hyd. Endgate, Exc. Cond.
- NH 795 Spreader
- H&S Spreader, Hyd. Drive

MISC.

- IH 1150 Grinder Mixer
- McKee Snowblower, 3 Pt. Hitch
- 20.8x38 Dual Wheels
- Gehl BF130 Feeder Wagon
- NH 30 Blower, 1000 RPM
- Farmhand Grinder/Mixer
- Myers 7½' Snowplow

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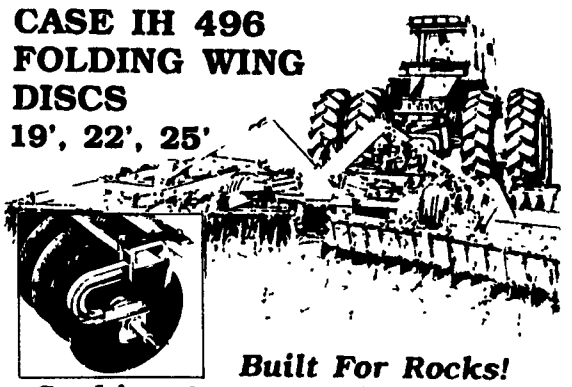

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CASE IH MAGNUM TRACTORS

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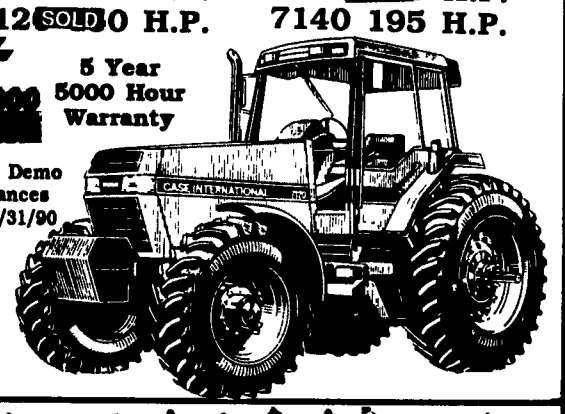
NH 305, 306, 308



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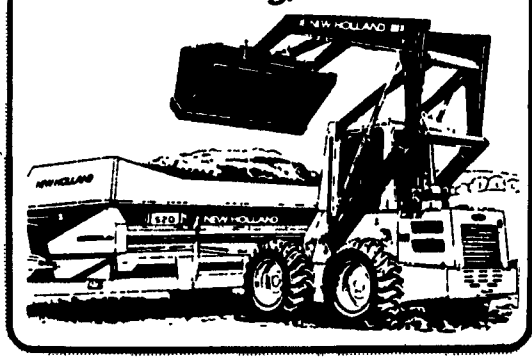
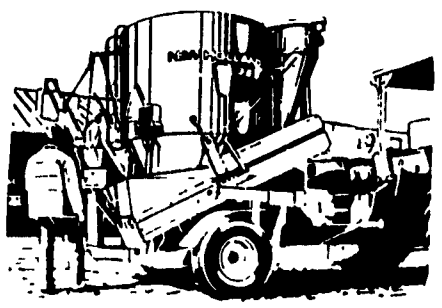


NH 358 GRINDER MIXERS



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0% Fin./12 Mth. Or Waiver 3/1/91

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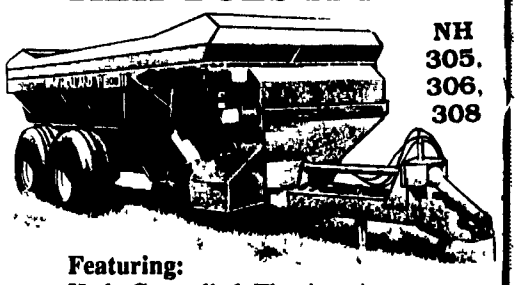

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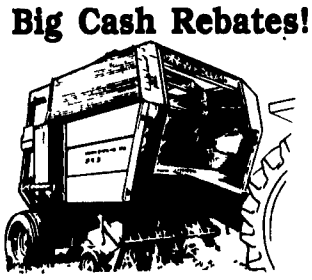
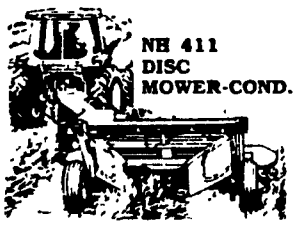
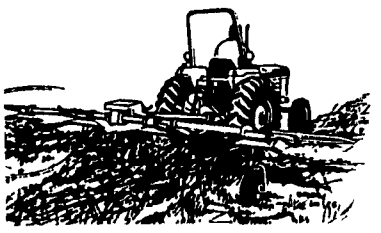


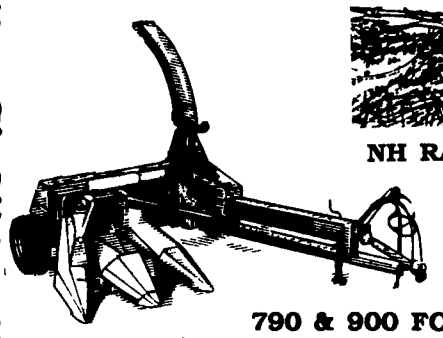
NEW HOLLAND 630, 848, 853, 855 BALERS



NH 411 DISC MOWER-COND.



NH RAKES & TEDDERS



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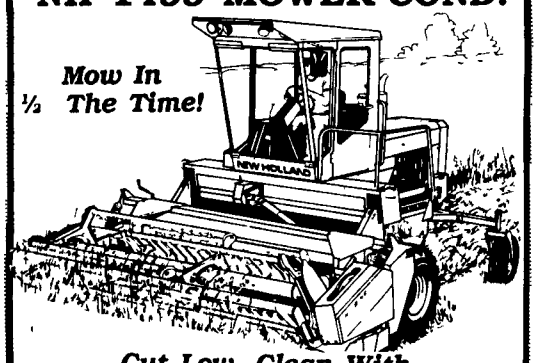

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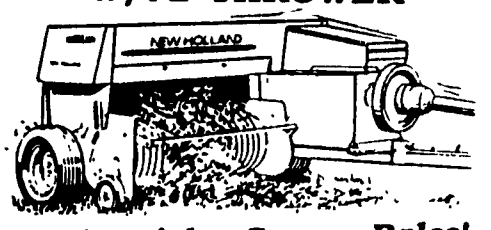
End Of Season Special!

NH 565, 570, 575 BALER W/72 THROWER



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- Big 27 Ft. Raking Capacity
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- 10 Ft. Transport Width

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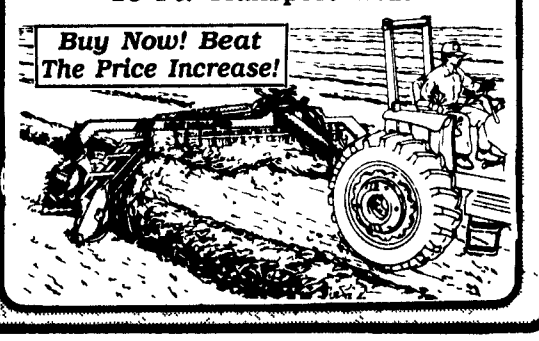

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TRACTORS

AC D17	IH 986 w/Loader	MF 20, Gas
AC 220	IH 966	Case 1835C Skid Steer
AC 190XT	IH 3488H	Case 2590
AC WD	* JD 4840	ST Panther II
White 2-135	* JD 4650 MFD	ST 220
IH 484	JD 2150 MFD	(2) ST 251
IH 684	JD 4440	ST PT225
IH 574 w/Loader	JD 7020	Farmall F20

DISCS

JD 230, 21'	IH 37, 10'	KR 1425, 20'
Ford 230 16'	IH 370, 12'	SF 20'
BH 24'	KR 1966, 31'	SF 29'
IH 496, 28'	KR 2416, 26'	SF 24'
IH 490, 22'	KR 1577 18'	TW 15'

TILLAGE

* KR 3127 Landsman	White 20' Field Cultivator
IH 710 Plow, 7x16	MK 37' Field Cultivator
IH 720, 5x18 Auto. Reset	MK 6R Cultivator
Case IH 720, 6x16 Auto. Reset	JD 2350-2450 8x18 Plow
ST 15' Chisel Plow	BR 25' Cultimulcher
AC 7x16 On Land Plow	BR 19' S Packer
WR 32' Field Cultivator	BR 12' Packer
Athens 15' Chisel Plow	WR 10x18 Plow

MISCELLANEOUS

Haybuster Tandem No-Till Drill 24'	NH 717 Forage Harvester
Krause 5215 No Till Drill 15'	NH 791 Manure Spreader
FD F-600 Dump Truck	Case IH 900 Planter 6RN
JD 737 15' Mower	IH 510 Drill 18x7
JD 7000 Planter, 8 Row	IH 50 Shredder
JD 66 Blower	

HAY EQUIPMENT

IH 46 Baler	NH 90 Bale Stacker
IH 440 Baler	NH 488 Mower Conditioner
IH 47 Baler w/Thrower	NH 499 Mower Conditioner

COMBINES

(2) Case IH 1680	IH 915	MF 760
IH 1460	(2) JD 8820 4WD	MF 510
IH 715	JD 7720 4WD	(2) MF 750

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(5) 820's	(3) 40's	440 Crawler
(5) 720's	(9) A's	
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Case VAC- WF- 3 Pt.	MH Pony
(2) Case 400 Hi Crop	Oliver 1550 Hi Crop
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Ferg. TO30- Rare Variation	Oliver Super 77 Hi Crop
Ford 2000-100 Hours	(2) Oliver 60
(2) Ford 8N- 1 Has 400 Hours	Oliver Super 66
Farmall 560- 1500 Hours	(2) Oliver Super 77
IH Spirit Lawn & Garden w/Tools	Oliver HG Crawler
	Oliver OC46 Loader
	Oliver OC4

1959 JD 435 Diesel, WF, 3 Pt. Add On P.S., Remote, Runs & Operates, 5 Speed Transmission, Overall Fair.

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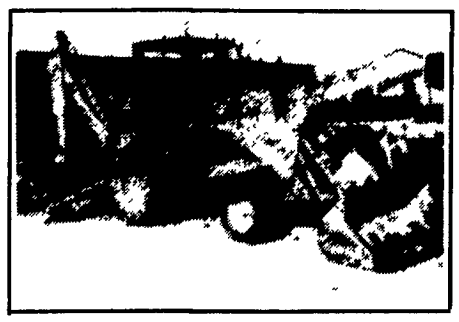
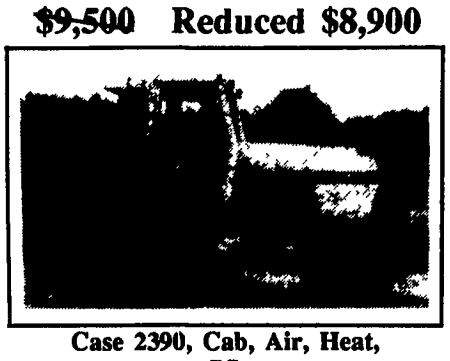


Case 580B Loader Backhoe

~~$9,500~~ **Reduced $8,900**

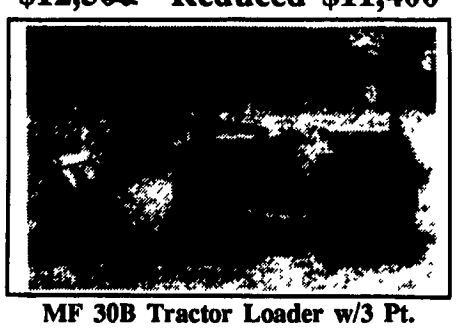
New Holland 1495 Self Propelled, 12' Cut, Ford Diesel, Cab w/Air

~~$12,500~~ **Reduced $11,400**



Case 2390, Cab, Air, Heat, PS

~~$20,900~~ **Reduced $20,500**



MF 30B Tractor Loader w/3 Pt. Diesel, Shuttle Trans.

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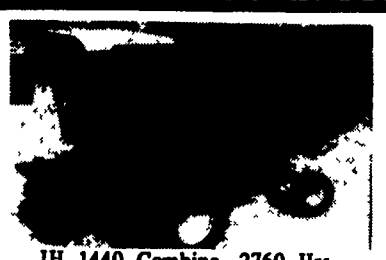
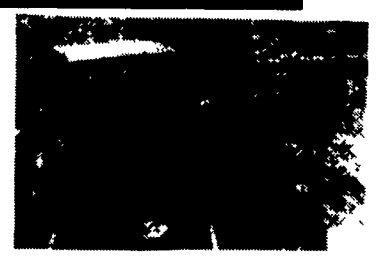
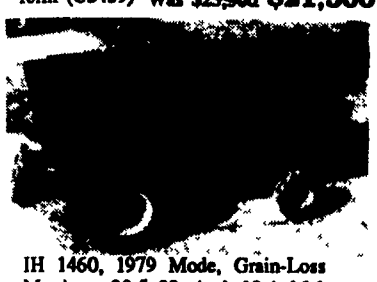
MF 850, 3200 Hrs., 23.1x30 Tires w/1163 Cornhead, 9115 Flex Platform (U5459) Was ~~$25,500~~ **$21,500**



IH 1440 Combine, 2760 Hrs., 28Lx26 and 11.00x16 Tires, auto Header Control, AC/Heater (U4817) Was ~~$25,500~~ **$21,500**



MF 750 1978 Model, Very Clean, Excellent Condition (U5559) Was ~~$16,000~~ **$15,200**



IH 1460, 1979 Mode, Grain-Loss Monitor, 30.5x32 And 18.4x16.1 Tires (U4744) Was ~~$32,000~~ **$28,500**

Gleaner F2 Combine, Eng. Has 1503 Seperator Hr. 1041. #5634 4 RW Corn Head, #5635 13' Flex Platform Tag. (U5634) Was ~~$22,000~~ **$19,800**

IH 863 Cornhead 6 Rows x 30" (U4584) Was ~~$7,900~~ **$5,500**
IH 715 Combine Gas, Gear, Cab (U4078) Was ~~$4,500~~ **$2,850**
Case IH 1660 30.5Lx32, 18.4x16.1 Tires, Cab w/Air, Htr., CI Grain Scan, Feeder Reverser (U5568) Was ~~$65,000~~ **$62,500**
JD 216 Flex Platform (U4662) Was ~~$4,500~~ **$2,555**

USED TILLAGE

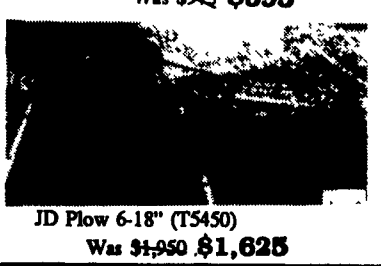
Bush Hog 18' Disc Ave. Cond. (T5552) Was ~~$3,500~~ **$2,750**

TH Cultimulcher 15' (T5588) Was ~~$1,950~~ **$1,695**

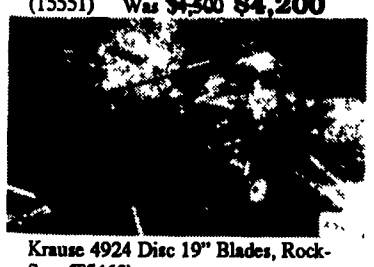
Brillion 10' Packer (T5218) Was ~~$975~~ **$595**

White Model 281 Disc, 10' Offset Blades FT, Blades Rear, New (T5551) Was ~~$4,500~~ **$4,200**

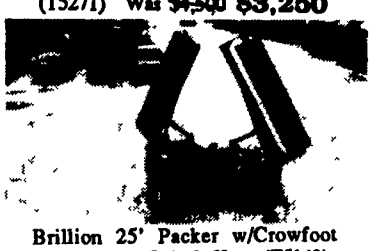
Rhino F90 Disc, 21' Cut Spacing 9" Ft. 7¼ RR, Blades 17¼ Ft. 21" RR (T5271) Was ~~$4,500~~ **$3,250**



JD Plow 6-18" (T5450) Was ~~$1,950~~ **$1,625**



Krause 4924 Disc 19" Blades, Rockflex (T5460) Was ~~$9,800~~ **$9,200**

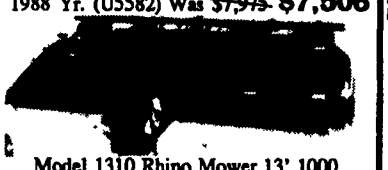


Brillion 25' Packer w/Crowfoot Wheels, Has Cyl. & Hose (T5142) Was ~~$3,900~~ **$2,965**

Krause 2416 Disc, Rockflex, Regreasable Bearings, Heavy C-Arms (T5538) Was ~~$18,500~~ **$17,500**
Oliver 253 Disc 13'6", 9" Spacing (T4968) Was ~~$1,450~~ **$1,075**
IH 710 Plow, 6-16" Coulters, Spring Trip Bottoms (T3699) Was ~~$2,500~~ **$1,350**
Tebbir Subsoiler 9 Shank, Leaf Spring Trip (T4947) Was ~~$2,450~~ **$1,885**
JD 235 Folding Disc (T4978) Was $3,975 **$3,500**
IH 18' Field Cultivator w/2 Row Tine Harrow (T5046) Was ~~$2,200~~ **$1,650**
IH 37 Disc, 10' Cut w/17" Blades (T5052)
Krause 2413 22' Disc, As Is (T5107) Was ~~$6,800~~ **$5,900**
IH 475 Disc, 12' (T5114) Was ~~$2,000~~ **$1,585**
Brillion 24' Field Cultivator, Hyd. Fold (T5193) Was ~~$3,800~~ **$2,900**
IH 700 Plow, Semi-Mt. 5x16", Furrow, Cylinder (T4243) Was ~~$975~~ **$775**
10' Cultimulcher (T2929) Was ~~$1,500~~ **$850**
Brillion WP108 Packer, 23' Wing-Fold, 18" Wheels, Transport (T4425) Was ~~$4,500~~ **$3,375**
10' Peg Tooth Harrow With Transport (T4367) Was ~~$600~~ **$385**
Brillion Packer, 25', X-Fold (T5408) Was ~~$5,500~~ **$5,150**
Kewanee 22' Field Cultivator, Flat Fold, 3 Row Tine (T5167) Was ~~$3,900~~ **$2,950**
Krause 2440 Disc, 26' Cut, Rockflex, 10" Spacing (T5127) Was ~~$16,900~~ **$15,650**
IH 475 Disc, Hyd. Blades, Good Blades (T5145) Was ~~$3,000~~ **$2,475**
Krause 1924 Disc, Rockflex (T5319) Was ~~$7,900~~ **$6,650**

USED MISCELLANEOUS

NH 311 Baler Kawasaki Engine, 1988 Yr. (U5582) Was ~~$7,975~~ **$7,506**

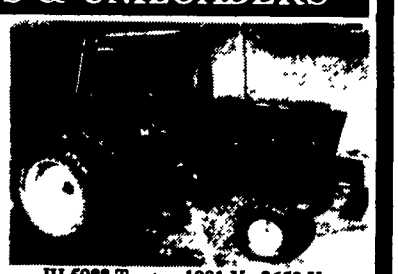


Model 1310 Rhino Mower 13' 1000 RPM/PTO, Cyl. (U4740) Was ~~$5,395~~ **$3,830**

NH Model 315 Baler w/Bale Chute (U5178) Was ~~$3,500~~ **$2,396**
Great Plains Drill Hitch, Pull Type (V4330) Was ~~$1,200~~ **$650**
IH 440 Baler (U5269) Was ~~$1,150~~ **$809**
IH 3204 Disc Mower, 5' Cut, 540 PTO (U4544) Was ~~$2,375~~ **$1,754**
Woods C114 Mower, Dual Blades, Hyd. Transport (U5336) Was ~~$1,700~~ **$1,275**
JD 347 Baler w/Model 40 Thrower, 540 PTO (U5367) Was ~~$7,950~~ **$6,864**
IH 47 Baler, 540 PTO, #10 Thrower, Runs (U4491)
Fox 656 Blower, 56" Fan, 540 PTO, Fair (U4281) Was ~~$975~~ **$806**
Westgo Rockpicker, Hyd. Reel & Dump (U5067) Was ~~$4,800~~ **$3,980**

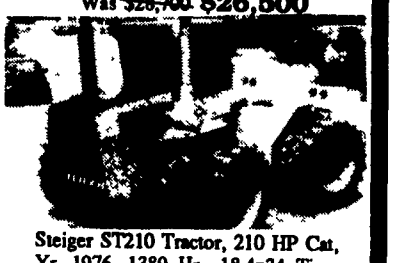
USED TRACTORS & UNILOADERS

IH Model 1086 Diesel, 18.4x38 New Tires, 3600 Hr. Gear And TA (W3500) Was ~~$15,800~~ **$11,900**



IH 5088 Tractor, 1981 Yr. 2653 Hrs., 6 Cyl. Diesel, 3 Rear Remotes, 18.4-38 Tires, Duals (5649) Was ~~$28,700~~ **$26,500**

Steiger ST300 Tractor, 300 HP Cat. 3900 Hr., 20.8x34 Tires (W5087) Was ~~$27,900~~ **$24,725**



Steiger ST210 Tractor, 210 HP Cat, Yr. 1976, 1389 Hr., 18.4x34 Tires (W5102) Was ~~$23,900~~ **$21,000**

JD 4630 Tractor, 1977 Yr. 6581 Hrs., 1000 PTO, 20.8x38 Tires (W5449) Was ~~$25,900~~ **$21,600**

IH 884 Tractor Yr. 1981 2437 Hr., 4 Cyl. Diesel, 3 Pt. Hitch 540/1000 PTO 14.9x38 Tires (W4485) Was ~~$12,700~~ **$9,995**

JD 2440, 2WD, 15.5x38 Rear Tires, JD #48 Loader w/60" Bucket (W5490) Was ~~$13,500~~ **$12,200**
AC 440, w/Cummins 555 Engine, Quick Hitch, 28Lx26 Tires (W5406) Was ~~$14,900~~ **$13,500**
Oliver 1850 Diesel, 18.4x38 Tires, Weights (W5445) Was ~~$4,200~~ **$3,875**
IH 966 Diesel, 8784 Hrs., 18 4x38 Tires (W5109) Was ~~$9,960~~ **$9,300**
IH 1086, With Cab, Duals, 20.8x38 Tires, 540/1000 PTO (W5103) Was ~~$15,500~~ **Handyman Special $9,400**
AC C Tractor, 26 HP Gas, Gear, Tricycle, 540 PTO (W3275) Was ~~$950~~ **$725**
IH Farmall C, Gas, Belt Pulley, 11.2x36 Tires (W4547) Was ~~$1,090~~ **$790**
IH 706, Narrow Front, Gas, 18.4x34 Tires (W4312) Was ~~$4,800~~ **$3,850**
IH 5088, Turbo, 20.8x38 Tires, Cab (W4601) Was ~~$26,500~~ **$23,750**
IH F1066 Diesel, Gear, TA, 540/1000 PTO, 10 00x16 & 20 8x38 Tires, Cab (W4038) Was ~~$10,500~~ **$9,875**
IH 5088 Tractor, With Duals (W4940)
IH 3514 Tractor (W4936) Was ~~$8,575~~ **$5,675**
AC CA Tractor, w/6' Rear Mnt. Sickle Mower, 2 Bottom Plow (W5175) Was ~~$3,000~~ **$1,995**
IH 986, 18.4x38 Tires, 3 Remotes, 540/1000 PTO (W5089) Was ~~$14,900~~ **$13,435**
IH 966 Diesel, 18.4x38, 5787 Hrs., 2 Remotes (W4945) Was ~~$12,900~~ **$10,965**

USED PLANTERS & DRILLS

JD 7000 Planter, 6 Row, 30" Conservation Disc, Seed Monitor (V5200)

IH 5100 Drill, 18x7 Double Disc, Grass Seed Attach (V5621) Was ~~$4,200~~ **$3,690**
IH 510 Drill Single Disc, Grass Seed Attach. (V5613) Was ~~$1,500~~ **$1,170**
Lilliston 9680 Drill, 18x7 No Till, Grass Seeder, Hyd. Cylinder (V5549) Was ~~$9,950~~ **$8,500**
IH 510 Drill Single Disc w/Grass Seeder (V5550) Was ~~$2,100~~ **$1,775**
Krause 5213 Drill, No-till, Rear Wheel Attach, 10.00x15 Tires (V5492) Was ~~$8,900~~ **$8,500**
Case 17x7 Drill Single Disc, Cheap Drill (V4529) Was ~~$275~~ **$155**
IH 500 Drill 21x7 Combination (V4955) Was ~~$5,900~~ **$2,995**
Great Plains 12' Drill (V5376) Was ~~$7,900~~ **$6,275**
JD FBB 18x7 Drill, Double Disc, Grass Seed, Press Whls (V4382) Was ~~$1,400~~ **$795**
IH 5100 21x7 Drill, Double Disc, Grass Seed, Excellent (V4567) Was ~~$5,800~~ **$3,125**
GP 12' NT Drill, 7.5" Spacing, No-Till Hitch, Mid Drill (V4607) Was ~~$9,800~~ **$7,675**
KR 5210 10' Drill, No-Till, 7" Spacing, Excellent Cond. (V4545) Was ~~$9,500~~ **$8,300**
WH 5400 Air Planter, 6x30", No-Till, Insecticide, Good Shape (V3676) Was ~~$2,900~~ **$975**
IH 386 Planter, Planter Toolbar, 6x38", Good Toolbar (V9299)
JD 7000 Planter, 8 Row, Folding w/Markers (V4975) Was ~~$6,900~~ **$3,685**
JD 7000 Planter, 8 Row, Folding w/Markers (V4976) Was ~~$6,900~~ **$5,875**
IH 800 Planter, 6 Row Narrow (V5035) Was ~~$8,500~~ **$6,355**

USED SPRAYERS

Century 500G Sprayer, 35' Boom, PTO Pump, Plastic Tips (V3361) Was ~~$2,850~~ **$1,725**
JD 300G Sprayer, 30' Boom, Blue Gmd Drive Pump, PTO Agitator Pump (V4123) Was ~~$3,000~~ **$1,575**

All New & Used Products Backed By Hoober Parts & Service

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INTERCOURSE, PA

Case IH

Case IH

DECEMBER WHITE TAG SALE!!!

NEW Equipment Inventory Clearance —

ALL SALE ITEMS Are PRICED ON WHITE TAGS

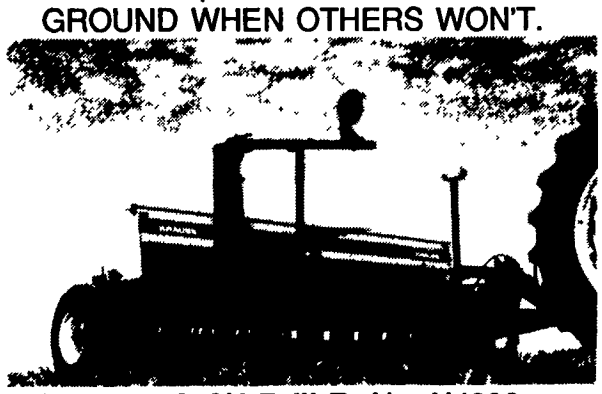
Most NEW SALE ITEMS are Priced at COST!!!

NEW! TRACTORS, LOADERS AND ATTACHMENTS NEW!

- **Koyker K6 Loader,** No. R2023, Heavy Duty Loader Fits FARMALL Tractors - 66, 86, 50 Series, EXCELLENT LIFT & BREAKOUT. 8' Heavy Duty Bucket. Haul Away For **$3,954.**

NEW! PLANTERS, SPREADERS AND DRILLS NEW!

- **Brillion SSLP642 Grass Seeder** No. R4911 42" 3 Point Hitch Grass Seeder, ACCURATELY SEEDS ALL GRASSES.
- **Krause 5210N Drill** No. N4369 10' NO-TIL Drill, Double Disc Openers, Rear Transport Wheels, GOES IN THE GROUND WHEN OTHERS WON'T. Winter Special Price - **$12,380.**
- **Krause 5213N Drill** No. N4391 13' NO-TIL Drill, Double Disc Openers, Rear Transport Wheels, GOES IN THE GROUND WHEN OTHERS WON'T.



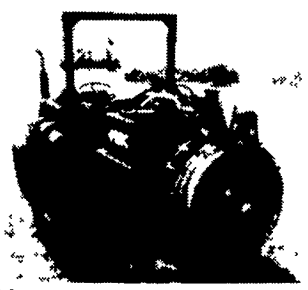
- **Krause 5213N Drill-R**, No. N4392, 13' NO-TIL Drill, Double Disc Openers, Rear Transport Wheels, GOES IN THE GROUND WHEN OTHERS WON'T. Demo Model Used 1200A. Winter Special Price - **$11,495**
- **Great Plains 7' No Till Drill** No. R5249, Trailing 7' End-Wheel, NO-TIL, Double Disc Openers, 2x13 Depth Press Wheels, Gear Driven Seed Cups. DEMO/RENTAL UNIT (1) ONLY. Call For Price.

NEW! HAY, FORAGE AND MOWING NEW!

- **Rhino SR15 Mower,** No. S4478 15 Flex-wing Rotary Cutter, 540 RPM PTO, Heavy Duty Gear Boxes & Drive-lines, Puncture Proof Tires. MOW PASTURE, BRUSH OR STALKS WITH THIS MOWER. Winter Sale Price - **$8,984**
- **Rhino SE15 Mower** No. S5404 15' Flex-Wing Rotary Cutter, Chain Guards Front & Rear, Puncture Proof Tires. THIS IS THE MOWER FOR PASTURES.. Winter Special Price - **$7,975.**
- **Schulte 1500 Mower** No. R5251 15' Heavy Duty Rotary Cutter, Handles Brush Better, Cuts Stalks. BUILT TO CUT WHAT YOU NEED TO CUT. Priced to sell.
- **Rhino SR120 Mower** No. S4112 10' Rotary Cutter, 540 RPM PTO, Heavy Duty Gear Boxes & Drive Lines, 3 Point Hitch Mounted. THIS MOWER HAS TO GO IN DEC. PRICE - **$3,654.** CASH & CARRY.
- **Farmco 18' Bale Wagon** No. S5239 18' Long, 8' Wide, Steel Sides, 8 Ton Running Gear w/NEW 9.5Lx15 Tires, (2) ONLY. SPECIAL PRICE - **$1,825**

NEW! SPRAYERS AND SPRAYER ATTACHMENTS NEW!

- **FMC DP100-32 Sprayer** No. Q4651 100 Gal. Airblast, 12GPM Pump, 3 Point Hitch. SPRAY ORCHARDS, VEGETABLES, OR SWEET CORN. Winter Special Price - **$3,229**



- **Hoober Saddletanks** No. Q3427 Fits 2-Wheel Drive MAGNUM. 210 Gallon V-Shaped Tanks. PRICED TO SELL - **$2,680**
- **FMC DP100323P Sprayer** No. Q2947 100 Gal. Airblast, 12GPM Pump, 3 Point Hitch, Rotating Crop Head for Vegetable Crops. CLEARANCE PRICE - **$4,695**
- **FMC DP103PT-5 Sprayer** No. Q3872 50 Gallon, 3 Point Hitch, 10GPM Pump, EXCELLENT LAWN OR SPOT SPRAYER, Price - **$1,125**
- **FMC D060PO600 Sprayer** No. Q4008, 600 Gallon, PTO, 60 GPM, 11x38 Hi-Float Tires, Drawbar, 84' Hydraulic Folding, Self-Level Boom. VEGETABLE SPECIAL. Clearance Price - **$16,777**

NEW! DISCS AND TILLAGE MACHINES

- **Schulte RS320 Rockpicker** No. R5541 Heavy Duty Rockpicker, Handles a Tough Job Like a Piece of Cake. NOTHING ELSE MATCHES THIS ROCKPICKER. Call for Price.

- **Krause 4120 Field Cultivator** No. P4534 23' Field Cultivator, 46 Heavy Duty Edge-On-K-Tines, 9" Sweeps, 3 Bar Spike Harrow Finisher. HANDLES TRASH AND ROUGH FIELDS BETTER THAN THEIRS.

- **Krause 4921A Disk** No. P4023 18' Flex-Wing, Rockflex Disc, 22"x½ " - Front, 22"x6GA-Rear, Cuts & Finishes Without Compare. WINTER SPECIAL PRICE - **$12,714**
- **Brillion 23' Packer** No. R4524 23' Flex-Wing Packer, 9.5Lx15 Tires-(4), 20" Packer Wheels
- **DMI Tiger II-5 Subsoiler,** No. R4514 5 Shank Subsoiler, Auto Reset, Unique Tiger Points Break Up Hardpan. DEMO/RENTAL UNIT. One Only! PRICE - **$9,867.**

NEW! MISCELLANEOUS NEW!

- **Kawasaki Mule** No. R4742 4-Wheeler, 2 Wheel Drive, DEMO & LOT MACHINE. Special Winter Price - **$5,500**
- **Farm-Aid 430 Mixer Wagon** No. R5311 430 Bushel Paddle-Style Mixer Wagon, Easy Running, Low Maintenance Machine. Scales. YOU MUST TRY THIS MIXER TO BELIEVE ITS SIMPLICITY.

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Most NEW SALE ITEMS are Priced at COST!!!

NEW! TRACTORS, LOADERS AND ATTACHMENTS NEW!

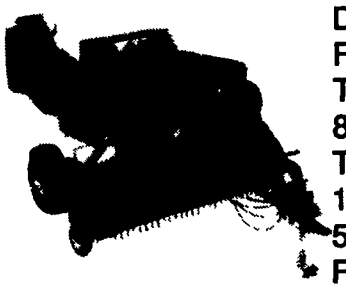
- **Case IH 485 Tractor,** No. A4780, 485 MFD, 45 HP Diesel, Forward/ Reverse Shuttle 14.9x28 Tires, 16.9 GPM Hydraulic Pump, 2250 Loader, COMBINATION IS SETUP TO DO YOUR LOADER WORK FOR YEARS.
- **Case IH 385MFD Tractor,** No. A4577 385 MFD, 38 HP Diesel, Forward/ Reverse Shuttle, 13.6x29 Tires, 2250 Loader, EXCELLENT LOADER OR SCRAPER TRACTOR. Compare this PRICE to any MAKE.
- **Case IH 2250 Loader,** No. B4157 Replace Your OLD Loader at FANTASTIC Prices. IF YOU OWN A 2250 LOADER AND IT'S WORN OUT - Call for a ONE-TIME only PRICE. (Price w/NEW 84" Bkt. & NO Valve)
- **Case IH 2255 Loader,** No. B4765 Need a Loader for an 85 Series Tractor? WE'RE OVERSTOCKED! YOU BENEFIT! Price w/84" HD Bucket & Loader Control Valve.

NEW! DISCS AND TILLAGE MACHINES NEW!

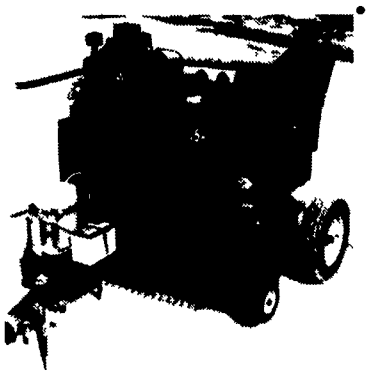
- **Case IH 450 Plow**, No. C5689 3 Bottom, 16", Mounted, Steel Trash Plates, Coulters, AUTOMATIC RESET FOR YOUR ROCKY FIELDS.
- **Case IH 720 Plow** No. C5074 4 Bottom, 18" Semi-Mount, Steel Trash Plates, Coulters, Shifting Hitch. AUTOMATIC RESET FOR YOUR ROCKY FIELDS. Call for Price.
- **Case IH 496, 18'7" Disc Harrow,** No. C5501 Flex-Wing, Cushion Gang, 22"x6 GA Blades, 7.5" Spacing, Furrow Filler, EXCELLENT DISC FOR LIGHT SANDY SOIL.
- **Case-IH 5700 Chisel Plow** No. C3005 11, 32" Shanks, 3 Rank Mounted, Gauge Wheels, Heavy-Duty Frame.
- **Case IH 144/265 Cultivator** No. B4329 Fits 265 Tractor, 416 Tooling.
- **Case-IH 183-6 Row Cultivator** No. D5500 6 Row Mounted, 30" Rows, Vibra-Tine Tooling. SPECIAL WINTER PRICE - **$2,434**

NEW! HAY, FORAGE AND MOWING NEW!

- **Case IH 8610 Bale Processor,** No. F5382 Round Bale Processor, Handles Bales Up To 6.5' in diameter.
- **Case IH 8580 Baler,** No. F4779 BIG BALER Makes up to 2,000 lb. Bales, Hydraulic Bale Density Control, INDUSTRY STANDARD BIG BALER. Finance Waiver - 5/1/91.
- **Case IH 8530 Baler** No. F3705. Low-Profile Centerline Design, 89" Wide Pickup w/84 Teeth Model 8511 Hyd. Drive Thrower, Makes 14"x18" Bale - 52" Long. DEMO: Priced Below COST!!



- **Case IH 8330 Mower Cond.,** No. F3817 9'3" Cut, 9'2" Inter-meshing TICOR Rolls, Stub on Stub Guards Cut Like a Disc Mower. DEMO!! MUST GO THIS MONTH!!



- **Case IH 8520 Baler** No. F5654 AMISH BA[illegible] Kohler [illegible] SOLD [illegible]gon H[illegible]ve Start You In The Field. CALL FOR WINTER CASH PRICE.
- **Case IH 8830 Windrower,** No. F4815 75 HP CASE Diesel, 12' Hay Header w/110" Intermeshed Conditioner Rolls, A/C Cab, Hi-Float Tires. WINTER SPECIAL PRICE. Finance Waiver - 5/1/91.

- **Case IH 8360 Mower-Conditioner,** No. F4318 12' Center-Pivot, 10' Intermesh TICOR Rolls, Stub On Stub Guards, Hydraulic Drive. SPECIAL WINTER PRICE!!

PLANTERS, SPREADERS AND DRILLS

NEW! NEW!

- **Case IH 900-4RN Planter,** No. E2296, 4 Row, 38" Insecticide, NO Fertilizer, SPECIAL PRICE ON THIS STRIPPED DOWN PLANTER. FINANCE WAIVER - 5/1/91.
- **Case IH 900-4RN Planter,** No. E3957 4 Row, 30", Dry Fertilizer, Insecticide, Seedflow Monitor, 1000 RPM PTO. WINTER SPECIAL. HOOBER SERVICE AT THIS PRICE??? FINANCE WAIVER - 5/1/91
- **Case IH 900-8RN Planter,** No. E4970 8,30' Rows, Folding Hitch, Transports at 12', Liquid Fert., Insecticide, Early Riser Monitor, TRY AN AN 8 ROW SYSTEM.
- **Case IH 550 Spreader,** No. H2221 250 Bushel, Upper Beater, Hyd. Endgate, Used 20" Truck Tires, THIS UNIT MUST GO!!! Price - **$4,450**

- **Case IH 5100-24x6 Drill** No. E4776 24 DD Openers, 6" Spacing, Depth Press Wheels, Soybean Special. SEED SMALL GRAIN OR SOYBEANS. Special Cash Price
- **Case IH 5100-20x6 Drill** No. E4773 20 DD Openers, 6" Spacing, Depth Press Wheels, Soybean Special, Grass Seed. SEED SMALL GRAIN OR SOYBEANS.

NEW! MISCELLANEOUS NEW!

- **Case IH 80 Snow Blower,** No. H4867 80 Snowblower, 3 Pt. Hitch, Hydraulic Chute Control. BLOW YOUR SNOW AWAY WITH THIS HEAVY DUTY MACHINE. Preseason Price - **$2,280**

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1 FARM EQUIPMENT

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USED EQUIPMENT
TRACTORS

JD 4240 w/4 post
JD 2940 w/JD 148 loader
JD 2630 w/145 loader
JD 1520 utility
JD 830 utility
JD M w/snow plow
JD B cyclone
JD 4230 w/cab
JD 650 2WD w/mower
Ford 550 loader backhoe
MF 1085
JD 675 B skid loader
MF 180
JD 420 tricycle

MISC EQUIPMENT

JD 7200 4R planter, rental unit
Oliver 546, 6 bottom plow
White 598 5 bottom spring trip plow
Schwartz QT 1800 loader, like new
JD 2R 25B planter
JD 4200 3 bottom, 2-way plow
AC 10' chisel plow
Athens 6' 3 pt. disk
JD AW 12½ ' disk
AC 40K SOLD TO alternator
NH 683 tank spreader
1973 Chevy stake truck, 21' body

Super Special
Badger BN 3210 Spreader
$3,995.00

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TRACTORS

JD 1520 Gas, Hi-Low, 15.5x38 Tires, Rack & Pin... SOLD ...43 Loader..... $6,200
JD 1520 Diesel, Indept. PTO, engine majored, new paint..... $5,000
MF 20 Industrial w/Loader, diesel, PS, 3 Pt., PTO, cab & heat, 2143 hours $5,200
JD 4320 Cab, Air, 18.4x38 tires, new engine overhauled..... $10,500
JD 4020 diesel wide front end, 16.9x38 tires, weights..... $6,750
JD 2640 Hi-Lo Indp. PTO, 18.4x30 Tires w/JD 175 Loader..... $10,500

TILLAGE EQUIPT.

JD 4 btm. hyd. reset plow..... $950
Dunham 14' Cultimulcher.....Call For Price
International 710 4x18 Spring Reset Plow Semi..... $2,200
MF 4 Bottom semi-mount plow..... $850
Glenco 10' Field cultivator pull type, nice $800
Brillion 12' field cultivator, late model..... $950
IH 800 4x36 Air planter, dry fertilizer monitor..... $3,000
AC 16' field cultivator, pull type with wings..... $1,250

HAY EQUIPT.

Ford NH 316 Baler w/70 Built Hyd. Thrower, Almost ...SOLD... $8,900
NH 499 hydro swing 12' haybine, hydraulic tilt..... $6,500
NH 849 round baler auto wrap new chain..... $6,600
NH 1495 SP 12' haybine, hdyro, cab, air, gas eng., nice..... $10,500
NH 489 haybine..... $3,500
NH 855 r. baler auto wrap..... $5,900

MISCELLANEOUS

NH 307 tandem axle, side delivery, manure spreader..... $5,200
Year around cab, JD mount..... $450
JD 660 tandem axle manure spreader.. $1,500
JD 48 Loader, Axle Mount..... $1,650
NI 213 manure spreader, 3 beater..... $1,450

FORAGE EQUIPMENT

NH #8 Wagon, Tandem Gear w/Roof Just Like New..... SOLD $5,800
Arts-way Dion wagon 3 beater w/roof.. $2,900
Gehl 1200 Harvester..... $2,800

GRINDER/MIXERS

JD 700 Grinder/Mixer..... $1,950
NH 358 hyd. drive w/extension auger... $4,600
JD 750 w/Scales..... $2,800

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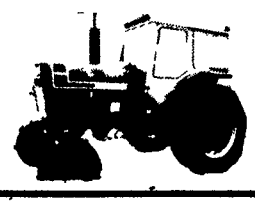

TORQUE AMPLIFIERS & CLUTCHES

★ **New Wider Heavy Duty Super Sprag 1-1/32" Wide**
★ **5 Yr. Warranty Against Sprag Failure**
★ **Introductory Price $695.00**

We are pleased to announce a major improvement in TA strength & performance backed up by a warranty that is unmatched in the industry. The 5/8" width Dana sprag which we have used over the past 10 years has proven its ability to perform under the most adverse of conditions and has achieved results that have sent our competitors scrambling to keep up. By increasing the width of the sprag to 1-1/32" and caging it in a heavier frame, we now have an unmatched shock load capacity and dramatically raised our load carrying ability. Our studies have shown that 90% of TA problems are directly related to sprag failure. We feel that we now have the strongest sprag & best rebuilt TA available and it will be warranted as follows:

*5 yr. - 100% parts & labor against sprag
*2 ry. - 100% parts & labor on remainder of unit
Our standard heavy duty TA is still available at $645.00 and carles a *2 yr. - 100% parts & labor warranty.
* Certain restrictions apply and there will be a maximum labor pay-out of $450.00
We also have units & parts available to rebuild old style TA's, including ramp & carrier sets.
NEW price on ramps & carriers - $200.00

QUALITY USED PARTS

We specialize in IH tractors but we also have Case, Oliver, White and Massey tractors in our inventory.

Recent Additions To Parts:
IH 560, 966, 1468, 1566
IH 416, 460, 706, 806
IH 404, 986, 884, 826
IH 1066, IH 340, IH 986
IH 915 Combine
JD 6620 Sidehill

USED TRACTORS

JD 4840 PS cab, air, new 18.4x42 tires $24,500
JD 4640 1981, PS, cab & air, duals and weights, 3700 hours, exc. cond. $30,000 reduced
JD 7520 cab, air, 3 pt. PTO 18x38 tires, very nice condition
1981 IH 1586 ca SOLD ir rebuilt TA
IH Hydro 100, factory cab & Air Rebuilt hydro, fresh paint
IH 1456, 3 pt. dual valves, dual PTO, good condition - Rebuilt TA
IH 856 new TA 3 pt. wide front 38" Tires, very nice
IH 786 diesel 3100 hours, good condition
IH 784 diesel 18x30 tires, 3000 hours
IH 584 diesel w/rops, good shape
IH 240 w/3 pt., very nice
Ford 7710 1982 model, cab & air, dual power, load monitor, good condition
Ford 4110 w/hyd. blade & turf tires
1987 Case, 1594 Row Crop Tractor, 12 sp., PS, ROPS, 12.4x42" Tires, Excellent Vegetable or Spraying Tractor
Cat model D4-N, w/pony motor and hydraulic, good condition, track: 80%
JD model L, unstyled, restored, very rare
IH Model 2355 loader, excellent condition w/66 series mounts
Westendorf model 42 loader IH mounts w/ self leveling, new
Myers Loader to fit IH 06, 56 and 66 series
IH model 720, 5x18" toggle trip plow, used under 200 acres

Available
1987 TW 35 Series II, Mechanical Front, Cab, air, duals, 1700 hrs.
1985 Case, 1594 MFWD, ROPS
JD Plow, Model 4200, 4 Bottom Roll Over (new) $1000 Below Dealers Cost

Combines And Heads

MF 13' Grain Platform
Uni System 717 Combine, 713, 716 G.H.
JD 15' flotation bar heads
UNI 744 cornhead
JD 6600 diesel, rotary screen 1900 hours, very nice
JD Model 443 corn head, exc. cond. lo-tin
JD 444 corn head, lo tin, good shape

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60, 70, 55, 66, 77, 88, 550, 660, 770, 880
1450, 1550, 1600, 1650, 1750, 1800, 1850, 1855

COMPLETE REBUILT COMPONENTS IN STOCK
Including
Water Pumps, Hydra/Power Transmissions, Starters, Generators, Injection Pumps, Over/Under Transmissions, Wide Front Axle Assemblies
Reconditioned Engine Blocks, Crankshafts, Cylinder Heads, Connecting Rods

HOLIDAY SCHEDULE
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717-354-2150 *FARMERSVILLE EQUIPMENT* 717-354-2150
R.D. 4, East Farmersville Road, Ephrata, PA 17522

STITZEL FARM EQUIPMENT, INC.

East Windsor St. & Krick Lane — Hamburg, PA 19526

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COMBINES w/Good Selection Of Heads: We have 16 late model, very nice, local, one-owner combines.

JD 8820 4WD, Full Equip. w/220 Flex.

JD 7720 4WD, w/216 Flex & 643 Corn Head, Nice.

1985 JD 6620, Side Hill, Titan II, Full Equip., Real Nice, w/215 Flex.

1981 JD 6620 Side Hill Combine.

JD 6620 4WD w/215 Flex And 643 Corn Head.

JD '81 Model, 6620 LL, w/215 flex, real nice.

JD '81 Model 6620 LL w/216 Flex, very nice.

JD 6620 LL, 1 Owner, Full Equipment, $25,000.

JD (80) 4420, C.A. w/Dial-A-Matic, Full Equipment, Real Nice.

JD (77) 6600 Side Hill, Good Cond.

JD 6600 Side Hill CA Hydro w/643 Cornhead.

(75) 6600 D. Rotary Screen good.

JD 6600 Gas w/443 Cornhead, As Is.

JD (77) 4400 D., C.A.

JD 4400 Gas, 13' grain.

IH (78) 1460, C.A., Hydro., Real Nice w/820-17½' Flex.

MF (78) 760 C.A., V-8, Hydro., 4 WD, w/2 Heads.

(77) MF 750, C.A., Turbo Hydro., Very Good

MF (76) 750 Cab, Air, Hydro

MF 750, C.A. Hydro.

Gleaner F2 D, C.A. w/13' Grain & 438 Corn, Nice.

Gleaner F2 D C A. w/13' Grain.

(77) IH 815 D., C.A. Hydro, 4WD w/810 Grain & 4R Corn.

IH D 915 C.A. Hydro w/863 & 810 Grain.

IH (77) 715 D. C.A. w/810 Grain & 844 Corn Heads; IH 715 Gas, C.A. w/810 13' Grain; NH TR70 C.A. Hydro w/Cat Dsl.

IH 615 Combine, Gas w/810 10' Grain And 833 Corn Head, Good Cond.

IH 715 Gas w/Cab & 810 grain for $4,850; IH 80 & 82 Pull Combine; N.H. TR70 C.A. Hydro.

N.I. 702 & 705 Uni-Systems w/Full Eq.; NI 702 D. w/727 bed & 3R C.H.; NI 702 Uni w/727 And 735 Corn Head; 767 Super Chopper; NI 727 Husking Beds; NI 737 Husking Beds; N.I. 729A Shellers; NI Uni 740 Feeder House; NI Uni 838 Husking Unit w/841 Feeder House.

CORNHEADS: JD 644, 643 LP, 643, 444 LP, 443 LP, 444, 443, 344, 343, 244, 243; 205 (40) 234, 435; JD 454 Row Crop Head.

I.H. 983; 963; 863; 844; 833; 744; 743; 327; 3R; 227.

A.C. GL 440, C440, A438 Black, A630 Black, L2, M430, Gleaner C430 C.H., F335.

M.F. 1163, 1144, 1143, 63, 44, 43, 24, 222, 422.

N.I. 738, 743, 730, 734, 725, 723, 762, 763; Ford 4-30"; Case (404); NH 962 4RW, 6RN Corn Head.

NH 974 W4; NH 962 N3 & 962 W4; NH 924, 4RW; White 706N; Oliver White 4N; White 703.

GRAIN HEADS: J.D. Used 12'-15' Incl. 213 & 215 Flex & (2) JD 216 Flex; 213, 215 Rigid.

820 16½' Flex.

I.H. 810-13' Thru 17.5' w/ Reg. or Floating.

M.F. 10'-16' Reg. or Floating Bar; A.C. E10'.

N.I. 713 Flex Or Rigid; NI 715 S Flex.

NH 960, 13' and 16'; E 10' Grain Head.

TRACTORS:

JD 8850 4WD, C.A., 3 Pt., PTO., Fully Equipped; JD 8650 4WD w/3 Pt. And Duals; JD 4850 C.A.P.S., MFWD, Full Equip., Real Nice; JD 4850 C.A.P.S., MFWD, And Duals; JD 4650 C.A.P.S., MFWD, Like New; JD 4650 C.A.P.S., Real Nice; JD 4450, C.A.P.S., MFWD, Real Nice; JD 4450 C.A.P.S., MFWD, w/New Radial Tires; JD 4450, C.A.P.S., MFWD, Duals; JD 4450, C.A.P.S., MFWD; JD 4250 C.A.P.S., MFWD, Real Nice; (85) JD 4250 C.A.Q.R.; 4050 C.A.P.S., MFWD, Real Nice; JD 4050, C.A.Q.R., 1900 Hrs., Excellent Cond.; JD 2950 CA, MFWD; JD 2950, ROPS, MFWD; JD 4050, ROPS, QR; JD 4050, ROPS, Power Shift; JD 2950 C.A., MFWD; JD 2950 CA, 16.9x38 Tires; JD 2950 MFWD w/ Rollguard; New JD 2355; JD 2550 w/175 Loader, Like New; JD 1250 w/ Power Steering; JD 8640 C.A., 4WD, 20.8x38 Duals, Full Equip.; JD 4840 C.A.P.S., Duals; JD 4840 C.A.P.S. Duals & Quick Hitch; JD 4840 C.A.P.S., w/Duals; JD 4640 C.A.P.S., 18x42 Duals; JD 4640 C.A., Q.R., Duals; 4640 C.A.P.S.; JD (81) 4440 C.A.Q.R., 1 Local Owner, Like New; JD 4440 C.A.Q.R.; JD 4440 C.A.Q.R.; (81) JD 4240 C.A.P.S.; (82) JD 4240 C.A.Q.R.; (81) JD 4240 C.A.Q.R.; JD 4240 ROPS, QR; JD 4240, ROPS, QR; JD 2940 MFWD; JD 2940, Full Equipment; JD 2840 w/ ROPS; JD 2840; JD 2240 w/146 Loader; JD 2040; 4630 SR w/Cab & Air; (77) 4630 C.A.Q.R., FWD, w/ Duals; JD 4630 Fender, Syncro Range; 4430 C.A.P.S.; JD 4430 C.A.Q.R., 20.8x38 Radials; JD 4430 C.A., 8-Spd., One Owner; JD 4230 C.A.Q.R., Nice; JD 4430, C.A.Q.R.; JD 4230 C.A.Q.R., Nice Cond.; JD 4230 CA, Syncra Range, Nice; JD 4430, QR, cab front wheel assist; 4430 ROPS, Syncro Range; JD 4230 C.A.Q.R.; JD 4030 Quad Range w/Cab; JD 4030 w/Cab, Q.R.; JD 2630 Utility Dsl.; JD 7520 C.A., 4WD, Needs Motor Work; JD 5020 (Needs Motor Work); JD 4520 ROPS, PS; JD 4320 18.4x38 Duals, Real Nice; JD (6) 4020's 1964-1972; JD 4020 S.C., WFE, 2 Hydraulics, Diff. Lock; 4020 S.C., W.F.E.; JD 4020 D, WFE, Very Nice; 4020 P.S., S.C., W.F.E.; JD 4020 Dsl., WF, 2 Hyd., Nice; 4020 WF, Powershift, Orig. Paint, New 18.4x34's; JD 4020 Tricycle Dsl., Side Console, Nice; JD 4020 w/Cab, Real Good; JD 4000 D WFE; JD (72) 3020 Tricycle Dsl.; JD 3020 SC, w/ ROPS, Power Shift; JD 3020 D, WFE, Power Shift; JD 3020 Dsl., WF, Dif. Lock, Dual Hyd., ROPS, Good Condition; JD 3020 Dsl., WF; JD 3020 D Tricycle; JD 3020 D, WFE; 2520 Dsl.; JD 3020 G.; JD 2020 Gas, ROPS, w/Hi-Lo And Side Mounted Mower; JD 2020 Gas, Real Nice; JD 2020 Dsl.; JD 4010 WFE, Nice; JD 4010 Diesel, As Is; JD 4010 Tricycle, Gas, w/ Cab, Nice; (2) JD 3010 D WF; JD 3010 D., Tricycle; JD 3010 Gas; JD 3010 Gas w/Loader; JD 2510 Tricycle, Gas; JD 2010, Util. Gas; JD 620 Gas, w/PS; JD 620 Tricycle w/3 Pt.; 1932 JD D, Original.

IH 5488, C.A., MFWD, 20.8x38 Duals; IH 5488 C.A., MFWD; IH 5488 ROPS, MFWD; IH 5488 w/Duals; IH 5288 CA w/20.8-38 Duals; IH 5088 C.A.; IH 3588 2+2, One Owner, 1400 Hrs.; IH 1586 C.A. Real Nice; IH 1586, CA, Duals; IH 1586 C.A. (Needs Trans. Work); 1586 w/R.G.; IH 1486 CA; IH 1486 CA; IH 986 C.A.; IH 986 ROPS; IH 186 Hydro, ROPS; 886 w/R.G.; F686 Original; IH 4166 4WD, w/3 Pt. And PTO; IH 1466, C.A., 18.4x38 Duals; 1066 w/Yr. Round Cab; F 1066 Fender, Original; IH 1066 (Needs TA); IH 1066 Fender; 1566 w/Cab; 1466 w/ Cab; 1466 Fender; IH 966 w/2350; F766 w/Factory Cab; 766 Fender Dif-Lock, New Tires; IH 784 MFWD; IH 684 Row Crop Utility; 574 D. w/Loader; Farmall 544 Gas, WF, 3 pt.; IH 544 Utility Gas; IH 464, Gas w/ROPS, Real Nice; IH 444 U. Gas w/IH 1501 Loader; IH 424, Utility Gas; IH 504 Utility Dsl. w/IH 1501 Loader; IH 504 Gas, WFE; Farmall 856 Dsl., Nice; 756 Dsl., WF; 656 Diesel; 656 Dsl. WFE; IH 656 Row Crop; IH 1206; F806 Dsl. w/2000 Loader; 806 D, WF; IH 706, 4 WD w/Cab And 310 Motor w/Turbo; IH 706 Dsl. w/2000 Ldr.; F560 Gas, WF, Nice; IH 560 Standard Dsl.; Farmall 450 Dsl.; Farmall 560 Dsl.; Farmall 460, Tricycle Gas w/Fast Hitch; IH 350 w/Ldr.; Farmall 350 Tricycle w/PS, FH And Loader; Farmall 200; Farmall 100, Hi-Clearance w/ Cultivators; F SOLD H; Farmall C; Farmall Super AV w/Cultivators.

AC 8070 C.A.P.S. w/Duals; AC 8050 C.A.P.S., MFWD; AC 8070, C.A.P.S., MFWD; AC 8010 C.A. 20 SP MFWD w/Westendorf 64 Ldr.; AC 7020 CA, 20 Spd.; AC 7010 C.A.P.S., w/AC 470 Loader; AC 7010 CA; AC 200 D original; AC 180 Tricycle Dsl., Nice; AC 175 w/Cab; AC D17 Series IV D. 3 Pt., WFE; AC D21 Series 2; AC D17 Dsl. WF; AC B w/ Cultivator.

(86) Deutz Fahr DX 8.30A, 190 HP, C.A.P.S., MFWD, Nice; Deutz 5506 w/Dunham Lehr Loader, Nice; Deutz Fahr DX 830 C.A.P.S., MFWD; Deutz DX160, CA, MFWD.

CASE IH 685 C.A. MFWD, w/110 Hours; CASE IH 3294 CA MFWD, Radials, Real Nice; Case 2294, C.A.P.S., Like New; Case 2094 C.A.P.S., MFWD; Case 4690 C.A., P.S. 4WD, Full Equipment; Case 2 SOLD PS, 1600 hours; Case 2390 CAPS, Duals; CASE 2390 C.A.P.S., Duals; Case 2090 C.A.P.S.; Case 2290, C.A.P.S., 20.8x38 Radials; Case 2290, C.A.P.S.; Case 1690 C.A., MFWD; Case 1390; Case 1370 C.A.P.S.; Case 970 ROPS; Case 970; Case 930 (Needs Motor Work); Case 730 Gas w/3 Pt., WF; Case 1210 (Needs Clutch).

MF 2805 C.A., 24 Speed, w/ Duals; MF 2705 C.A., 24SP.; MF 2705, C.A., 8SP.; MF 2705, C.A.P.S.; MF 2675 C.A. 24-Speed; MF 1150 w/Cab; MF 1150 Fender w/Duals; MF 1135 C.A., MP, Nice; MF 1135 w/Cab, 8 Spd.; MF 1100; MF 1100 Dsl., WF, As Is; MF 1085; MF 245 Dsl. w/PS; MF 175 Dsl., As Is; MF 165 U. Gas; MF 135 Gas; MF 85 Dsl., Original; MF 65 Utility Gas w/Ldr.; MF 35 Dsl.; Ferguson 20 w/Ldr.

Ford TW5, C.A., MFWD, 800 Hrs., SOLD New; Ford TW30 C.A., Duals; Ford 7710 C.A., Nice; Ford 7770 CA, DP; Ford 7700 ROPS, New 18.4x34 Tires; Ford 8000; Ford 8000 (Needs Reverse); Ford 4000 Dsl., original paint; Ford 4000 Gas; Ford 3000 w/PS w/Ford 772 Ldr.; Ford 3000 Gas w/PS, Good Cond.; Ford 3000, As Is; Ford 2000 Gas w/PS And Loader; Ford 871 w/Power Steering And Front Blade; Ford 9N w/Ldr.

WHITE 2-135, C.A.; White 2-155, C.A.; White 2-85 w/Cab; White 2-85.

OLIVER 1955 Original; Oliver 1855 MFWD; Oliver 1755, As Is; Oliver 1655 D, WFE; Oliver 2050; Oliver 1800 Gas; Oliver 1650 Tricycle, Dsl.; Oliver 1755; Oliver 1855, As Is; Oliver 1 SOLD ycle Gas, As Is; MM G1000 Nice.

Tractors & Equip. Just Traded:

JD 4320; JD 3020; JD 3010; JD 630, WFE & 3 Pt.; F756; IH 4X Rollover Plow; NH 359 Grinder Mixer; New Ford 12' Field Cultivator; JD 16' Transport Harrow; JD 210 Disc; JD 148 Loader; JD 318 Blade & Snow Blower; Long 3 Pt. Backhoe; Dump Wagon; Ford CL40 Skid Loader; NH 1010 Bale Wagon; MF 35; Oliver 77 Gas, WF, Oliver Super 88; JD D; Glenco 7 Tooth Soilsaver w/New Blades; Steiger Bearcat 2 w/Duals And 3 Pt.; IH 2000 Loader.

(NEW) NEW IDEA CORN PICKERS
Truckloads of 1R #323 & 2R #324 Pickers.
Also Super Shellers
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NEW IDEA
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CORNPICKERS: (4) (Used) 325-2RN w/12 Roll Husker, Shellers & Super Shellers; NI 325 w/8 Roll Bed; (4) (Used) 324-2RW w/12 Roll Huskers; NI 324 Picker w/8 Roll Bed; Shellers & Super Shellers; NI 323 Picker; NI 330 3R Picker w/12 Roll Bed.

New N.I 329 Super Sheller List $6700 00, Special $3,550, N I 330 - 3 RN w/Supershellers, 325 2RN w/Grinder

PICKER NI 315 Mtd , NI 319 2 Row Mounted Picker w/12 Roll Bed

FORAGE EQUIP.: Forage Harvesters w/Choice of Heads.

JD 3960 w/2 Heads, Full Equip , JD 3800 Chopper, Hay Pick-Up, JD 3800 Harvester, w/2R Corn Head, JD 3960 w/3R Cornhead, JD 3960, JD 35 Chopper

NH 900 Chopper, Like New, NH 900 Chopper; NH 890 w/Electric Controls, 2R Corn & Hay Pickup, NH 770 w/heads, NH 770 w/822 Cornhead, NH 718 w/1 Row Cornhead, NH open end hay pickup heads, 6', IH 830 Chopper w/2 Row Corn, IH 720 w/2R And Pickup, Good Cond , IH 781 Harvester w/2R Corn Head, Hay P U , And 2 Row Snapper

Hesston Field Queen 7600, Self-Propelled Chopper w/3 Row And Pickup

NI 709 Uni, 4WD, w/767 Chopper and 4 Row Cornhead

MF 200 Chopper w/2R Cornhead, Hesston 7020 w/Hay Pick-Up

Fox Super D w/Cab 3R C H & PU

Gehl 1200 Chopper Elect Controls w/3R Corn Head And Pick-Up

Gehl CB 1200 Chopper

Balzer 1014 Hydraulic Dump Station

FORAGE HEADS: NH 717-S Direct-Cut for 770 & S717; 890 EN-2RN Snapper, 770-1R Snapper, (3) NH 822 Silage; NH 890 w/2 or 3R C H ; NH 890 2R Snapper Head, NH 890 Direct Cut Head, 1, 2, & 3R Silage, NH 880W PU, NH 880 S Direct Cut, NH 890 N3 3R Corn, Incomplete

JD 3R 36" Silage Head, J D 2 & 3R Snapper, 2 & 3 R Silage, Used 5½' and 7' Hay Pickups, JD 343 Cornhead w/Adapter Plate, JD 243 C H w/adapter plate, JD 244 Cornhead w/Chopper Plate, Like New, 3 JD C H harvester adapter plates, JD 4RW Stalker Head

IH 830 3 Row 30" Cornhead, IH Direct Cut Head w/2RN & Hay PU for 650, NI 766 Hay PU, Gehl 1000 Hay Pickup, Gehl 2RN Corn Head

2 CSB 2RW - Snapper, 263-2 RW, 109 Hay Pickup

BLOWERS. Gehl 99 Blower, NH 30, Farmhand Burr Mill Blower, Witmore Grinder Blower

FLAIL CHOPPERS. Used NH 38, JD 27 Stalk Shredder, NH 38 Flail, Good Condition, Bearcat 72A Flail Chopper, IH #50 12' Stalk Shredder.

SILAGE WAGONS. Fox 1016 Dump Station; Richardton 1200 Side Dump Wagon; JD 716 Tandem Axle w/Roof, Hesston #10 Stack Wagon

HAY EQ.: BALERS: Deutz Allis HD 490 Baler w/Thrower, Like New, JD 466, JD 347 Baler w/Thrower, JD 347 w/Thrower, JD 327 Baler w/Thrower, JD 327 Baler w/ Chute; JD 336T w/Thrower, JD 336 Wire w/Thrower, JD 24T w/#30 Thrower, JD 24T w/#30 Thrower

NH 326 Baler, NH 326 w/70 Thrower, Used 3 Seasons; NH 425 Wire Tie Baler, NH 320 Baler, NH 320 Baler w/70 Thrower, NH 315 w/70 Thrower; NH 315 w/Thrower, NH 315 w/70 Thrower, NH 276 Wire Baler, NH 276 Baler, NH #75 Ejector, IH 445 Baler w/#15 Thrower; NH 848 Round Baler w/ Memory Wrap, NH 851 Rd , NH 847 w/Auto Wrap, Like New, NH 847 Auto-Wrap, NH 846 Hydr Wrap, NH 846 Hyd Wrap, Hesston 5600 Round Baler, Real Nice

RAKES. Vermeer R-21A Twin Rake, MF 585 w/Dolly Wheel

NH 258 Rake, NH 259 Rake, NH 56 Rake, JD 660 Rake w/Dolly Wheel, New NI 406 Rake, Hyd Drive w/Dolly Wheel, Fahr 4 Star Tedder, Fahr 4 Star Tedder w/Big Tires

HAYBINES (1982) NH 1495 D C A Hydro, 800 Hrs , NH 1495 Dsl , C A , Hydro , NH 1495 D Hydro w/Half Cab, NH 1495 Gas Haybine, NH 499 Hydro Swing Haybine, Very Nice, 495, NH 489 Haybine, Real Nice, (3) 489, NH 488, NH 479, 478, 477, (4) NH 467 Haybines, New JD 1600 Hydroswing Haybine, (Damaged), JD 1219, JD 1209 Haybine, JD 1209, IH 990 9', IH 990 7' Haybine, JD 1327 Disbine, Like New, Hesston PT7

New MC 7E, MC9E Rotary Scythe, NI 272 Cutditioners, NH 1010 Bale Wagon, Good Cond , NH 1005 Bale Wagon, NH 1002 Bale Wagon

PLANTERS AC 333 6R No-Til Planter, JD 7000 6R Cons , Dry Fert , JD 7000 6R Cons Liq , JD 7000 4R Liq , (Used) 7000-6R Cons Liquid w/No Till, JD 7000 6R Conservation, Dry Fert , JD 7000 6R Corn Planter, Dry Fert , JD 7100 6R Planter, 3 Pt , JD 5R Splitter w/No-Til, JD 7000, 6RW Plate Planter, 7000-4R Dry & Liquid, (2) JD 7000, 4R Dry Fert , Full Equipment, JD 7000 4RN Liq , JD 7000 4R Planter, Dry Fert , Real Good, IH 800 4RN Liq Plate Planter, IH 800 4R Liq Air Planter, Hiniker 4R Econotill, No-Till, w/Kinze Units; IH 56 4R Planter, White 5400 6R Corn Planter, Dry Fert ; AC 600 4R No-Til Planter

DRILLS JD 8300 21x7 DD, JD 8300 21x7 Single Disc Drill, JD 9300 Tandem Drills, Moore 18x6 No-Til Drill, Tye 24x6 Drill, IH 5100 24x6 Single Disc w/Grass Seed, Like New, IH 5100 Drill, 21x7 w/Press Wheel And Seed, 510 24x6 Double Disc, Brillion SS-1201 10' Seeder w/Transport, Brillion 10' Seeder, Brillion 8' Seeder

GRINDERS/MIXERS Owatonna 450 w/Scales, Bearcat 1250, JD 750 Grinder/Mixer, NH 352, Gehl 65, Roto Grind Tub Grinder

TILLAGE EQ PLOWS IH 440 3X Plow, Ford 3X Plow, IH #60 3X Trailer Plow, White 3X Spring Reset, Oliver 3X Roll-Over Plow, JD F325 4X, 3 Pt , Hydr Reset Plow, JD 3X Rollover Plow, IH 14 SOLD over; JD 1250 4X Semi Plow, IH 540 4X Semi Plow, JD 1450 5x18 Plow, JD 1450 6X, JD 145 5x16 Semi Tnp Plow, JD 2600 4X Tnp Plow, JD 5X 16" Semi Mount Plow, JD 2500 5X Spring Reset, JD 2500 5x18" Spring Reset Plow, New Taylorway Pittsburgh 5X 18" Spring Reset, IH 710 5x18" On-Land Hitch Plow, IH 700 4 and 5X Spring Reset Plow, Oliver 546 5X Trip Plow, IH 720 6x18 Plow, IH 720 6x16 Spring Reset On-Land, Ford 6X Spring Reset On-Land Hitch, White 508, 6X Reset, 6B Semi, IH 700- 6x16 Spring Reset White 549 5-6x18 Spring Reset, JD 2700 6X Plow, Case 400, 6x18 Spring Reset On Land, (2) JD 945, 5X Semi Rollover, JD 2800 6X On Land, (2) JD 2800S, 7X JD 2800, 7X Onland, IH 710 7X Onland, JD 2800 7X On Land, JD 3600 8X Spring Reset, On Land, JD 2800 8X Plow, IH 800 10X Plow

CHISEL PLOWS Athens 6' Chisel Plow, JD 1600 10' Pull Type Chisel, JD 1600, 12' Chisel, Bush Hog 10' w/Buster Bar, IH 55 13 Tooth Chisel

DISCS JD 9' Offset Orchard Disc, Bush Hog 245 14' Offset Disc; Miller 10' Offset Disc, White 281 12' Offset Disc, IH 770 10' Offset Disk, Like New, IH 770, 12' Offset Disc, IH 770 20' Hyd Fold Offset Disc, JD 110 12' Rock Flex, White 252 12', JD 210 14' Disc, Real Nice, Krause 10' Disc, Miller 12' Offset Disc, White 15' Offset Disk, AC 2300 20' Hyd Fold Disc, Case F21 21' Hyd Fold Disc, Dunham Lehr 34-20' Rock Flex Disc, Case DOT 21' Hyd Fold, Very Good, Rhino F90B 22' Hy Fold, Rock Flex, JD 230 24' Hyd Fold Disc; JD 330 25' Hyd Fold Disc

MULCH TILLERS: JD 17*0 7 Tooth Mulch Tiller, Willbeck 13', Glenco SS18 Fold Soil Saver, Glencoe 13 Shank Soil Saver, Rhino 890 5 Tooth 7' Soil Saver, Like New

CULTIMULCHERS. Dunham Lehr 10' w/Inside Whls , JD F950 12', JD & Brillion 10', 12', 13' & 15', Brillion WM 360 30' Flat Fold Cultimulcher, Like New

CULTIVATORS. JD 4R Front Mount Cultivator, JD AT 40 4R Front Mount Cultivator; IH 68 4R Front Mount Cultivator, McKee 4R S Tine, McKee 4 Row S-Tine Cultivator, (2) JD RG 4, JD & IH 6R 3 pt., Glenco 6R S-Tine Cultivator, Noble 6R S Tine Cultivator, IH 65 6 & 8R Front Mounted Cultivator, JD 8R Cultivator, 8R S Tine Cultivator, 8R Fold S-Tine Cultivator, JD 1010 28' Hydraulic Fold Field Cultivator, JD 20' 3 Pt Field Cultivator, White 283 20' Hyd Fold Harrow, Brillion 18' Wing Harrow, Brillion 23' Hyd Fold Field Cultivator

MISC. Brillion 24' Hyd Fold Packer, Brillion 25' X-Fold Packer, Brillion 12' Packer, Glencoe 12' Soil Finisher, JD 5 Shank V Ripper, 5 Shank V Ripper, Brillion 7 Shank V-Ripper, IH #14, 6 Shank, Spring Reset, V Ripper, IH 14 9 Shank Spring Reset V Ripper

INDUSTRIAL New Arps 740 3 Pt Backhoe, MF 2200 Dsl Forklift, As Is; Cat 955 Ldr , As Is, IH 250A Dsl Industrial Loader, JD 401B Dsl Ind

1978 Case 580C Dsl L, B, ROPS, Cab w/Heat, Case 580B LB w/ ROPS, AC 715B L & B ; JD 300 Gas Loader Backhoe, IH TD14, Angle Blade, $2,995, JD 350B Crawler Loader w/Winch (As Is), JD 450C Crawler Loader, JD 555 Crawler Loader, JD Winch And 4 in 1 Bucket For JD 450

SKID LOADERS Bobcat 444, Bobcat 533 D Skid, Case 1740 Dsl Skid Loader, Case 1845 Gas Skid Loader, Case 1845 D Skid, (85) Case 1845 B Dsl , Ford CL 40 Skid Loader

LOADERS & BLADES JD 46A, 48, 58, 145, 146 w/Grapple, 148, 260, IH 2455 Loader, IH 2355, Like New, IH 2350, 2250, Case IH #90 Ldr , Like New, Case 66 Loader, Ford 727 Loader, Ford 720 Loader, Artsway HD loader for 4WD, AC 500 Loader for 185, etc , AC Loader For D17, Ford Ldr For 8000 Etc , JD Fork Attachment, JD 8' Dozer Blade For 4430, Etc , JD 155, 9' Heavy Blade w/Hydraulics, Leon 12' Heavy Duty Front Blade, Amco 905 Heavy Front Blade, York 8' 3 Pt Stone Rake

LAWN & GARDEN JD 650, MFWD, w/Mower, Ford 1500, MFWD, Ford 1710 w/Ford 770A Loader, AC 5030 w/Mower & Blade, Bolens G154 Dsl 4WD, w/3 Pt Mower And Front Blade, Bolens 174 4WD w/Mower, Cub Cadet 582 w/Ldr And Mower, Farmall Cub w/Mower, Cub 184 w/Mower & Creeper Trans , Cub 185 Lo-Boy, Cub 154 Lo-Boy, With Creeper Trans , 154 Lo-Boy w/3 Pt , Cub 154 w/Ldr , Cub 154 w/ Blade, Yanmar 14 HP Dsl , (3) Farmall Cubs w/Mower, Cadet 782, 1100, JD 400 w/Ldr And 3 Pt Woods Mower, JD 400 w/ Mower, JD 318, 317, 316, 300, 216, 214, 212, 210, 160, (New) Johnson Loader For Cub Loboy, Snowblower For JD 300 Series, Woods 306 Belly Mower, Like New, Woods 6' Belly Mower

New Yanmar YFL 1000 Ldr , Schutt 3PT Tree Digger

ROTARY CUTTERS. JD 1508 Wing Cutter, Woods 120 10' Offset Cutter, King Cutter 4' Pull Type

MC 7' Heavy Duty Mott Mower, Hardy H360C0 Ditch Bank Cutter

SICKLE MOWERS JD 350, 7 & 9 Ft , NH 450 3 Pt , NH 451, NH 455 Pull Type Sickle

MANURE SPREADERS NI 354 Tandem Spreader, NI 354 Tandem Spreader, NI 353 Tandem Spreader, Martin V3300 Tandem Tank, NI 212 Spreader Martin Manure Auger, 4 Shank Manure Injector

New Killbros Bins & Running Gears

MISC Powell 3R Transplanter, John Blue 1,000 Gal Tandem Axle Sprayer, Edwards Hydro-Swing, Tree Booms, w/Foot Controls, NI 716 32' Elevator w/Motor & PTO, Smoker 22' Elevator; Westfield 18' Auger w/Electric Motor, Riteway Rock Picker, Leon Rock Picker, Farmhand 8' Snow Blower, JD Quick-Couplers, JD WF, 4WD, I H Flat Top Fenders For 706-1466, I H 66 Series Cabs Year-Round Cab w/Air For IH 66 Series, Damaged IH 84 Series Cab, J D & I H Front & Rear Wts , JD 243 Corn Head w/ Adaptor Plate, New WFE For Ford 7700, Myers Snow Blade for IH 240

Muv-All 30' Hyd Implement Trailer J D Roll-Guards, Fast Hitch for 560 & 450, JD belly mowers for JD 850 & 950 etc.

STRAW CHOPPERS For J D 4400, 6600, 6620, 7700, M F 510

MECHANICS SPECIALS TRACTORS 4020 Tri

JD 3010 D, As Is

DECEMBER SPECIALS

TRACTORS	
(70) JD 5020	$ 4,500
IH 1086 C.A	$ 8,900
COMBINES	
1973 JD 6600 D C.A w/Grain Head	$ 3,500
IH '76, 915 D, Cab & Air, Turbo Hydro w/810 grain	$ 8,500
M F. 510 Diesel w/Cab & QT Grain	$ 2,900
(2) IH 205's w/Cabs, 10' Grain Head, Buy The Pair For	$ 1,500
IH 105 w/Cab & 10' Grain	$ 1,200
JD 4400 Gas	$ 3,500
MF 300 w/24 Corn Head	$ 2,250
MISC.	
JD 38 w/2R Corn Head	$ 1,000
NI 325 w/12 Roll Bed	$ 3,500

Largest Selection Of Quality Farm Equipment In The East

Case 850B w/4-in-1,
Very Good Condition, $13,500
Belmont Farm
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IH 1586
Dual 20.8, 2-Outlets Needs Clutch
$5,000
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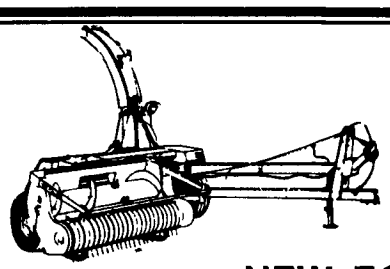
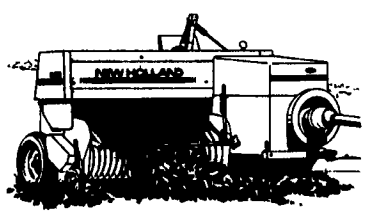


Ford
FORD
NEW HOLLAND



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NH HAY & FORAGE EQUIPMENT

	LIST	F.O.B. CASH
NH 254 Rake Tedder, Demo	$ 4,520	$ 3,100
NH 258 Steel Tine Rake	$ 3,953	$ 2,795
NH 520 Manure Spreader, T-Rod	$ 5,140	$ 3,900
NH 791 w/Hydraulic End Gate & Splash	$ 9,543	$ 6,975
NH 256 S Rake	$ 3,397	$ 2,400
NH 256 R Rake	$ 3,633	$ 2,550
NH 258 R Rake	$ 4,213	$ 2,950

We have a large inventory for you to survey when purchasing your new equipment.

Free Financing Hay & Forage Equipment til 3/1/91
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0% - 18 Months- Hay Equip. Only
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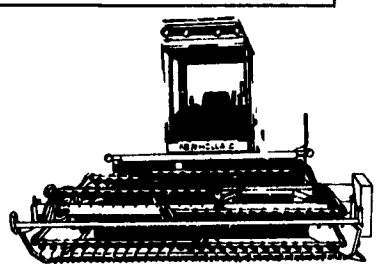
Check with us for Big Cash Rebate Amounts



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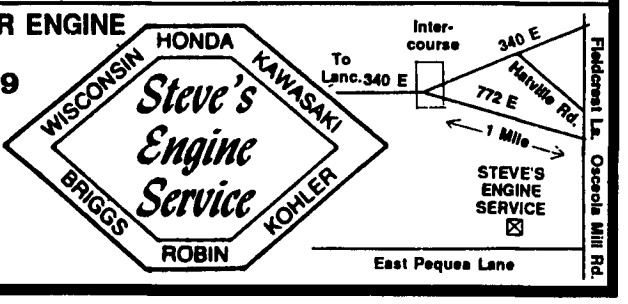

USED TRACTORS

JD 4640, cab & air	JD 950
JD 4630, cab & air	JD 850 w/mower
JD 4440, cab & air, quad range	IH 3688 w/cab & air
JD 4440, cab, air, power shift	IH 5288, cab & air
JD 4240, PS, cab & air	IH 3688, 4WD
JD 4240, PS, 4 post	IH 1486, cab & air
JD 4230, 1976, cab & air, QR	IH 1086 w/cab & air
JD 4230 fender, quad range	IH 1066 w/cab
JD 4430, cab & air, sharp	IH 986, cab & air
JD 4050, PS, 4 post	IH 966 w/cab, low hrs.
JD 4040, cab & air, quad range	IH 584, 4WD w/loader
JD 4030, cab & air	IH 584, 4WD
JD 4020 diesel	IH 656 gas
JD 2510	IH 684
JD 2840	IH 884 w/1,500 hrs.
JD 2355, like new	IH 84 hydro
JD 2240 w/cab	Ford 9700, cab & air
JD 2240 w/loader	Ford 8600, cab & air, 2,200 hrs.
JD 2040 w/loader	Ford 3400 w/loader
JD 2030	Ford 2000
JD 3020 diesel	Ford 3000
JD 3020 gas w/loader	Ford 340 tractor SOLD loader, 500 hrs.

JD 4650, power shift, 1,100 hrs., w/duals

IH 2096, cab & air, 582 hrs.

INDUSTRIAL

MF 40B forklift	Ford CL55, used 1,000 hrs.
NH 779 skid steer	Woods 3 Pt. Hitch Backhoe
Gehl 4510 skid steer	

USED PLOWS

Int. 5 btm. 16" spring reset plow	IH 710 8 btm. 18" spring reset, on land hitch
White 6 btm. 16" spring reset plow	IH 710 7 btm. on land hitch
IH consertill 13'	IH 710 6 btm. on land hitch
IH consertill 10'	IH 720 5 btm. 18" toggle trip
JD 3 btm. roll over plow	JD 2500 5 btm. 18" spring reset
JD 4 btm. roll over plow	JD 2500 6 btm. spring reset
JD 7 btm. on land hitch	JD 2600, 4 btm., varied width

USED COMBINES

244 JD corn heads	JD 4400 diesel, 1,500 hrs., sharp
444 JD corn heads	JD 4400, gas
443 corn heads	JD 215 flex head

HAY EQUIPMENT

JD 1207 7' haybine	JD 336 baler
IH 7' haybine, like new	JD 346 wire baler w/thrower
NH 478 haybine	

MISCELLANEOUS

NI 2 row wide, 8 roll bed	Amco 13' rock-flex disc
NI 2 row wide, 12 roll bed	Kewanee 18' hyd. fold disc
JD 12' mulcher	Kewanee 21' hyd. fold disc
Gehl 120 grinder mixer	Kewanee hyd. fold 20' roller harrow, like new
JD 3RW harvester head, like new	'74 GMC 6000, cab & chassis, 5 spd.-2 spd., power steering
Fox 3 row narrow corn head	'84 GMC 7000, cab & chassis, 5 spd.-2 spd.
IH 5100 grain drill	
Kewanee mulcher, like new	

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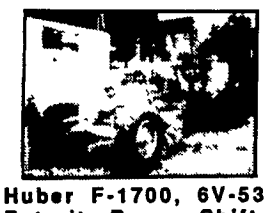
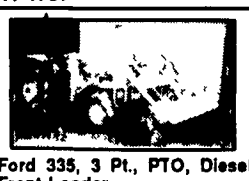


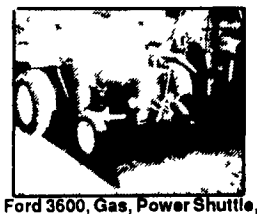
Huber F-1700, 6V-53 Detroit, Power Shift, Cleaned & Painted
$11,500/OBO



Ford 335, 3 Pt., PTO, Diesel Front Loader
$10,500

1987 Case 580E Extend-A-Hoe, Wobble Sticks, Very Good Cond.
~~$22,500~~ **$20,500**

(2) Clark 45C, 4-53 GM Diesel, full cab & heater, 17.5x25 tires, 2 yd., exc. cond.
$19,900



Ford 3600, Gas, Power Shuttle, w/Snow Plow **$3,250**

9 Ft. Bin Type Hyd. Spreaders
$1,250
Also Tailgate Spreaders
$500
9', 10', 11' Plows **$1,000**
Complete

Trojan 1900, GM Diesel, Full Cab & Heater, Exc. Rubber, Exc. Cond.
$12,500

Cat D4D, Tilt Blade, 1600 Actual Hrs.
$24,000 OBO

FORKLIFTS

Lull 31 ft. Lift, New Tires, C&P **$6,500**

RUBBER TIRE LOADERS

Case W-18, full cab & heater, good rubber, good cond. **$18,500**

TENNANT SWEEPERS

Model 92, 4 cyl. water cooled, hydrastatic, good cond. **$6,500**
240 w/front power broom, 2 cyl. Kohler **$2,500**

ROLLERS

Galion 10-14T tandem, 6 cyl. IH gas, hydrastatic **$5,850**
Ferguson 9 wheel rubber tire roller Oliver gas ..... **Call For Price**
Mauldin 3-5 ton w/towing package, hydrostatic vibratory, ex. cond. **$3,650**
Raygo romper 2-36, vibratory, hydrastatic, Deutz diesel **$4,995**
Western 2 ton vibratory roller, Wisconsin gas **$2,500**
3-5 ton Littleford w/towing package, V4 Wisconsin **$1,500**

BACKHOES

Case 580C, full cab, extend-a-hoe, 4 in 1 bucket, cleaned & painted, excellent cond. **$13,500**

GRADERS

Huber F-1700 6V-53 Detroit, full cab & heater, power shift **$11,500/OBO**
Huber M-52 Maintainer, 4 cyl. cont., sideshift center blade **$3,995**

MISC.

Schramm Pneuma Tractor, 125 Comp. w/post driver ..... **Call For Price**
1989 Used custom 10 ton, air brakes **$5,500**
New Custom trailers in stock, 3 ton thru 20 ton ..... **Call For Prices**
(2) MF 40B tractors, 3 pt. PTO, diesel, sickle bar mower ..... **Call For Price**
Atlas Copco XAS 85 air compressor, very good cond. ..... **Call For Price**
New & Used Buckets

4230 JD Tractor, Quad Range Trans., 3 pt. Hitch, Cab, AC, New Paint, New Tires

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Both Tractors Have Been Completely Checked Out By JD Dealer

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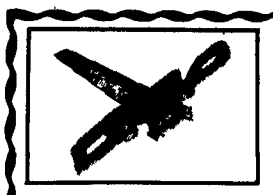

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Farmall Cub
Farmall 966

Vicon disc mower conditioner, nice condition

USED EQUIPMENT

IH 963 corn head
Case 1845B skid loader
IH 1190 9' mower conditioner
Brillion cultipacker 19' w/hyd. flat fold w/dual whl. transport
Brillion 14' cultimulcher, like new
JD 12' cultimulcher
Ford model 142, 4 btm. plow w/auto reset
Ford model 140, 3 btm. roll-over plow
NI 323 1 row corn picker

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David Brown 1212
MF 65 Tractor
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Farmall Super A w/Cultivators

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Hesston 1010
Hesston 1085
Hesston 1090
Hesston 1091
Hesston 1095- Ex. Cond.
(2) Case 555 Mower Conditioners
Case 650 Self Propelled
Owatanna 9 Ft.
IH 1190 Mower Conditioner

SKID LOADERS & UTILITY

Case 580D, ROPS w/Extendahoe
Case 580C Loader/Backhoe w/ROPS
Case 580C, Cab & Standard Hoe
Case 1530 Uniloader
Case 1835B Uniloader
Case 1845B Uniloader
Case 580K, 4WD, Extendahoe, w/4-in-1 Bucket, Ex. Shape
Ford 3400 Loader
Gehl 46 SOLD Loader

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Assortment of Gehl 99 Forage Blowers
Gehl 1560 Blower, Ex. Cond.
NH 27 Blower
Int. 881 w/3 Row Narrow Head & 6-Ft. Pickup
Gehl 940 Forage Box

PLANTERS

White 5100 Air Planter, 6-Row
White 5100 Air Planter, 6 Row Granular

MISCELLANEOUS

3 Axle Trailer
Hawk Bilt 2195 Spreader
Gehl 120 Grinder Mixer
Gehl 5500 Round Baler
JD 10 Ft. Disk Harrow
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LAWN & GARDEN

AC 10 HP w/Mower
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Model 350 PTA,
engine condition
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w/power shift
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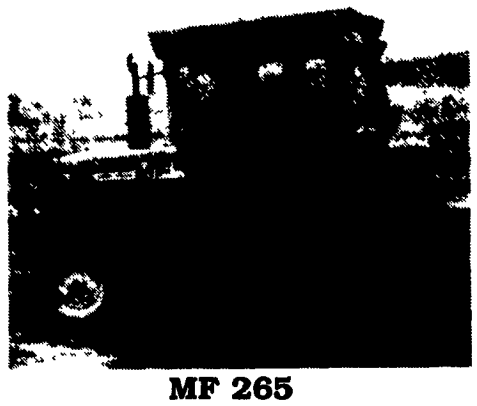

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Runs Exc., 8 Speed,
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$6,000
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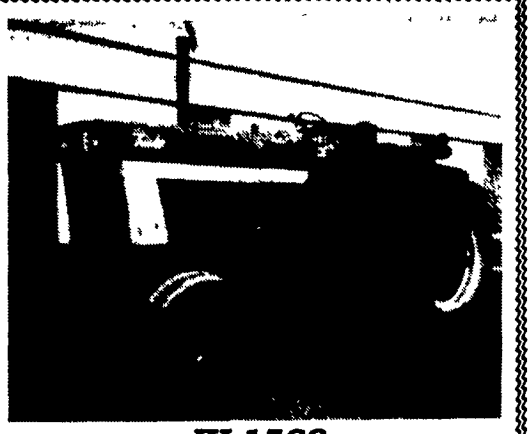

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1972 JD450-B with regular Bucket..... **$12,500**
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1980 JD 450C w/B.H. Rops 4&1 Bucket..... **$21,000**
1985 JD 555B w/ROPS & regular bucket..... **$32,000**
1985 JD 555B w/ROPS & 4&1 Bucket..... **$30,000**

CRAWLER DOZERS
1975 JD350-C Dozer..... **$14,000**
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1984 JD450-D Dozer..... **$26,000**
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1986 JD450-E Dozer..... **$30,000**

WHEEL LOADER BACKHOES
1984 JD 410B w/cab & regular hoe, Case controls..... **$24,000**
1978 Dynahoe 200 4WD w/cab, side dump bucket **$14,000**
1972 Dynahoe 190 with Cab..... **$9,500**
1974 Dynahoe 140 with cab... **$8,500**
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1984 JD410-B w/ROPS & Extendahoe **$23,000**
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1987 Cat 416 w/cab, 2 WD, 1150 hours..... **$26,000**

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1980 Case (David Brown) 1290, 4 WD, 3 Pt. hitch & loader **$9,500**
1966 Ford 3400 with Loader, no 3 point hitch..... **$3,500**
1972 MF Model 50A w/ROPS. **$7,500**

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1986 JD 70 Excavator w/Blade & Offset Boom **$32,000**
1975 JD 690B..... **$28,000**
1986 JD 50 Excavator w/400 hrs. **$31,000**
1986 JD 30 Excavator w/800 hrs. **$16,000**
1988 70-D Excavator with Blade, long stick, 1300 hours.... **$38,000**

4 WHEEL DRIVE LOADER
Michigan 75A, 1955 w/Bucket, Forks And Snow Plow **$4,000**

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Discs	Mowers	Spreader
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IH: 915, 815, 715, 615, 315, 205, 203, 503, 403, 303, 93, 91, 141, 105, 101, 82, 80, 76, 74. JD: 7720, 7700, 6620, 6600, 4400, 3300, 105, 95, 55, 45, 40 MF 760, 750, 510, 410, 300, 205, 35, 92, 82, 72, 90, 80, 70, 60, 27, 26. AC: Gleaner, F, L, M, K, G, E, C, C2, A, 60, 66. Oliver 7600, 545, 535, 525, 430, 40, 35, 33. NI Uni, 710 Combine, Huskers, 705, 702, 701, Combine shellers & harvesters Case: 1160, 960, 700, 660, 600. NH 1400, 975, 985, TR70 MM 5297, 3496, MM Uni, White 8600, Field Boss, 7300, Massey 750D, Straw Spreaders & Choppers; JD 7720, Motors, transmissions, tires, corn & grain heads, grain savers

Financing or Lease Available

COMBINES
55 To Choose From
JD 7700 diesel gear w/heads
JD 6620 hydro, diesel, level land
JD 4400 diesel w/heads
1979 JD 4400 diesel, choice of heads
(3) JD 6600 diesel rotary screen w/grain head choice, $7,000 ea.
JD 4400 diesel w/grain head, $6,950
JD 6600, diesel, hydro w/ heads
JD 3300 diesel w/grain, choice of 3R 30" or 2R 38" corn
JD 3300 gas w/heads, needs motor work
JD 55 sq. back w/grain head & 30" 3R corn
AC FKS dsl. w/heads $7000
AC C2 diesel w/grain 4R 38" & 4R 30"
AC late C2 w/grain & 4R corn, $3,950
(2) AC F-2 diesel w/heads
AC F diesel hydro, real nice
AC F diesel, new motor w/ heads
AC G w/grain & 6R 30" & 4R 38" head, real nice
Gleaner E 10' grain
MF 510 w/4R 30" & grain
(2) MF 510 diesel w/head
MF 410 diesel quick tach w/ heads
Massey 60 w/10' grain
MF 750 hydro, turbo diesel w/grain, choice of 6R 30" or 4R 38"
MF 510 diesel, hydro w/ heads
MF 410 dsl., hydro w/heads
MF 300 diesel, quick tach w/ heads
MF 35 S/P w/8' grain head
IH 91 8' grain
IH 93 w/10' head, nice
IH 93 w/10' grain & 2R corn, $2500
IH 715, gas, w/heads
IH 715 hydro diesel w/heads
IH 815 hydro diesel late low profile w/6 or 4 row & grain
IH 915 low profile diesel hydro, real nice
IH 141 w/12' grain, 2 row corn, 1 owner, nice
IH 1460 axle flow w/6R 30" corn & 820 flex head, real nice
IH 1460 axle-flow w/820 grain head & choice of 4 or 6R corn
IH 715 hydro diesel w/grain & corn
IH 715 hydro diesel w/late heads
Late IH 715 w/German diesel & heads
NH TR70 Ford diesel, choice of heads
NH TR70 Cat. diesel, 4 row 30", 13' grain

TRACTORS
Cat 933 F series crawler loader
MM 335 WF w/loader and 3PT
MM 5 Star, 3PT, PS
Massey 33 w/loader
Kubota B6000 E, lawn type, diesel, w/3PTH
Case SC w/loader, nice
1957 Ford Jubilee NAA
1952 Ford 8N new tires
Ford 8N, good tractor
1952 Ford 8N hour meter, real solid tractor
IH 3444 ind. diesel w/loader & 3PT, $5,500
IH 145 SOLD WF
IH 856 dsl. WF
IH 826 diesel gear, WF, $5800
IH 4366 new motor, 3PT, 4WD, duals front & back
IH 340 low utility WF, PS
IH 450 w/power steering
JD 2010 gas 3PT
JD 1520 gas
(3) JD A late models
AC 210 diesel jumps out of high gear, $6500
AC WD, gas
AC HD5 crawler/loader
AC C w/side mtd. mower
AC D17 diesel, WF & loader
AC HD5 diesel crawler loader
Farmall SOLD el, WF w/ turbo, nice
Farmall 460 gas, WF, nice
Farmall 656 gas, NF, nice
Farmall 450 gas, power steering
Farmall Super MTA
Farmall 230 w/fast hitch
Farmall Super H, good paint
1939 Farmall H, $1175
Farmall Super MTA
Farmall H
(3) Farmall F14, 2 w/ mounted plow
Oliver 1600 gas
Oliver 770 gas, WF
Oliver Super 88 WF
Oliver 88 gas
Oliver Super 66 WF
Oliver 66 gas, nice
Oliver 1655 diesel, WF, $4,500
Oliver 60 & 66, nice
Oliver OC3 crawler w/PTO & pulley
Oliver crawler w/roll guard
IH 806 diesel, WF
IH 504, power steering, 3PT
IH 400 Dsl. w/power steering
C Allis w/belly mower
Ferguson 30, 3PT, $1,950
Steiger Wild Cat w/210 HP, Cat 4WD 3PT duals front & back
Super C w/fast hitch

LOADERS
AC fits D19
AC fits D17
(3) Fords w/hyd. bucket
Snow blades for loader or front mounted
IH HD fits IH 350 utility
IH fits Super M
JD 46 loader
JD 45 w/mts.
Late Oliver White w/wide bucket
NI w/wide bucket
Sauder fits Ford 600 8N & 9N

SPREADERS
NI late 243, nice
NI 214 w/gate
NI ground drive, nice

MOWERS/ ROTARY MOWERS
AC trailer type belt drive
(2) JD 6' pull type
Ford 6' pull type
20 New 6' 3PT IHMC
3 pt. 6, 7 & 8'
Also pull types.
Rotary mower
Brillion 6' pull type
Ford 7' 3PT
IH 3PT belt drive

CORN PLANTERS & DRILLS

PLOWS
IH 700 5x16, auto reset, $2500
IH 700 5x16, auto reset, $2450
IH 3PT 3x16, $525
JD 1450 5 bot. 16" hillside hitch, nice
JD 3PT 3x14, $325
JD 3PT 3x16, $625
JD 5x16 semi, $1350
JD 3 bottom 16" 3PT, $450
IH 4x14 semi, new bottoms, new paint, $750
JD 5x16 semi, $585
IH 700 5x16 semi, $1350
IH 650 6x16 semi, $1200
JD F-145 5x16 semi, $800
AC late moto frame 6 bottom 16", nice
JD 4x14 semi, $675
IH 5x16 semi 550, $675
Oliver 6x16 on land, $1450
JD 4x14 3PT, $425
Oliver 3x16 pin trip, $375
Massey 10 tooth chisel plow, $2500
White 8 tooth chisel plow, $1950
Brillion 10' wheel harrow, $575
JD 12' roller harrow, $1375
IH 12' roller harrow, used very little, $3500
IH 315 12' roller harrow
Case 5 bottom 18" w/on land hitch, clean

HAYBINES & RAKES

BALERS
NH 847 round baler, 4' bale
NH 850 round baler, $2450
NH 852 round baler auto wrap
NH 276 w/thrower, $3500
JD 410 round baler 4' bales, nice
JD 336 w/no thrower
JD 24T w/thrower
IH 2400 round baler, real nice, $3500
Hesston 5600 round baler, $3975

MISC.
(3) IH semi & trailer belt drive
IH fast hitch mower
JD 4R tool bar cultivator, $375
JD 350 3PT mower
NH 456 pull type mower w/ crimper hitch
Case 3PT
IH & JD mowers

NEW 3 PT. EQUIPMENT
Post Hole Diggers
Snow, Dirt, Manure Blades
Stone Rakes
Rotary Cutters
Box Blades
Discs
Bale Movers
Hay Tedders
Finishing Mowers
Potato Plows
New Trailers, all sizes
Fert. Spreaders
Cement Mixers

GRINDER/MIXER
(2) Gehl grinder/mixer

DISC HARROWS
JD TWA plowing disc, $2850
JD RWA 12' wheel type, $750
JD 8' wheel type, $650
Case 8' wheel type, $575
IH 12' wheel type, $750
JD 8' wheel type, $600
IH 500 HD 13', $3500
Athens 12' wheel disc, $1575

CORN PICKERS

HARVESTERS & UNLOADING WAGONS
Gehl 6' flail chopper
NH 880 w/2R head, nice
NH 770 w/2R head
(2) NH 33 flail chopper
NH 36 flail chopper
JD 38 w/pickup
JD 35 w/2R head
JD 216 tandem wheel unloading wagon
(2) JD 16A 6' flail chopper
JD 38, 2R, & pickup, $1,500
Kaster, 3 beater w/roof, same as IH, next to new
IH 720 w/2R 38" or 30" corn head, nice
IH 720 w/2R head
IH 550 w/heads
(2) IH 550, 2R, & pickup, $500
IH 7 flail chopper
NI 768 WN 3R 30"-38" head
AC 780 2R chopper w/ pickup
Coby 3 beater unloading wagon w/roof
Badger 3 beater, roof unloading wagon

WIDE FRONT ENDS & DUAL WHEELS

EXTRA CORN HEADS & GRAIN HEADS

SAFEMARK DEALER

DISMANTLING TRACTORS FOR PARTS
IH TD5 Crawler, 3414, 1256, 1066, 966, 856, 666 Hydro, 806, 706, 704, 674, 664, 660, 656, 574, 560, 544 Hydro, 504, 404, 460, 450, 444, B 414, 400, 350, 340, 300, 240, 230, 200, MTA, M, H, C, BN, A, Cub, 154 Cub, F30, F20, F14, F12. JD: M, 4020 dsl., 4010, 3020 dsl., 3010, 2020 Dsl., 2010, 720, 70, 60, 50, A, B. AC: 190XT, 180, D14, D15, D17, D19, WD, WC, CA, C, B. MF: 1155, 90, 85, 444, 333, 175, 65, 44, 33, 30, 20. Case: 600, 530, 300, DC, SC, VAC. Ford: 6000, 5000, 4500, 4100, 4000D, 960, 861, 860, 800, 600, 641, 600, 8N, 9N. Ford major. Oliver. OC3 Crawler, 1800, 880, 770, 88, 77, 70, 66, 60. MM U, MM 5 Star, MM Jet Star 3, MM 335, MMG 1000, R, Z, E3 Coop, David Brown 990. New Field & 345 Leyland.

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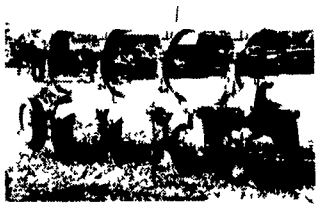
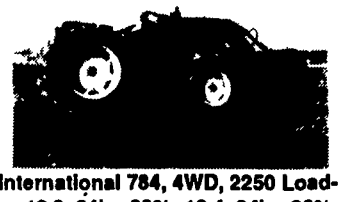
HOURS: MON.-FRI. 7:30-5 SAT. 7:30-NOON

WOODS



John Deere 8450- 4x18" 3 Pt. Rollover.



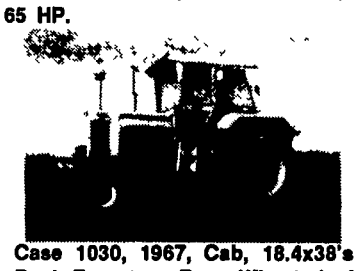
International 784, 4WD, 2250 Loader 16.9x34's- 90%, 12.4x24's- 90%, 65 HP.

New Idea 272 Cut-Ditioner, 7' Cut, Good Condition.

NEW! Long Nu-Way Swing Plow Available In 3, 4 & 5 Bottoms.

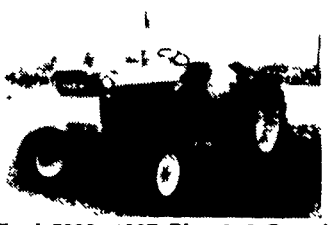
White 508- 4x18" Spring Reset Plows With Spring Coulters.

International 186 Hydro-Cab, Air New 18.4x38's, 2 Remotes, Loader Available, Very Nice, 106 HP.



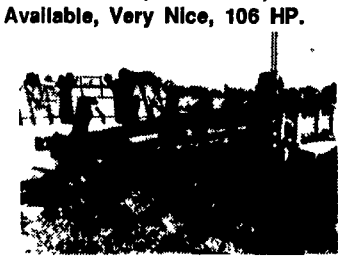
Case 1030, 1967, Cab, 18.4x38's Dual Remotes, Rear Wheel And Front Weights, 101 HP.

United Farm Tools- 14' Stalk Chopper.

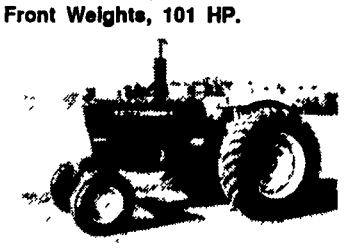


Ford 5000, 1967 Diesel, 8 Speed, 16.9x30's- 90%, Power Adjust Rims, 65 HP.

John Deere 4520, 1969, Cab, Dual Remotes 18.4x38's- 50%, 122 HP.

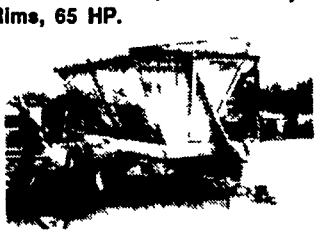


Massey Ferguson 880- 6x18" Spring Reset With Coulters.



Ford 7000, 1973, 8 Speed, 18.4x38's- 90%, 83 HP.

International 826- 1970, Year-A-Round Cab, 18.4x34 Dyna Torques- 90%, FH, 2 Remotes, Very Clean, 92 HP.



Richardton 1200 Hi-Lift Dump Wagon.

International 710- 5x16" Spring Reset Plows With Spring Coulters.

FARM TRACTORS

JOHN DEERE

1979- 4440 Cab, Air, Quad Range
1974- 4430 Cab, Quad Range
1974- 4430 Quad Range
1985- 850- 4WD w/#75 Loader
1969- 4520 Cab, 1000 PTO
2010- Gas-WF

INTERNATIONAL

1980- 186 Hydro Cab, Air- Ldr. Avail.
784 4WD w/Loader
1976- 986, Cab, Air
1978- 84 Hydro, Loader Available
1256 With Duals
1970- 826, Cab, F.H., 2 Remotes
1980- 686 15.5x38's.....$6900
140 With 5' Woods Belly Mower, Good Condition.....$4900
140 Hi Clear With Side Dressers, Good Condition.....$4900
140 Fast Hitch, Very Nice Condition, 1X Plow & Snowblade & Cult., Available.....$4900
1978- 184 Cub Lo-Boy With Loader And Woods L-59 Belly Mower.....$4250
(2) Super A.....$3900
Cub Yellow & White With 1000 Loader.....$3500
460 Diesel, WF.....$3250
2424 w/Sickle Mower.....$2900

LONG

New 2360, 4WD, 35 HP
New 2460, 4 WD w/Loader 42 HP
New 2510, 4WD, 48 HP
New 2610, 4WD, 64 HP
New 610 w/Loader, 64 HP
New 610, 4WD w/Loader, 64 HP
New 510, 4WD, 48 HP
New (2) 460, 4WD, 42 HP
New 360, 4WD w/Loader, 35 HP
New (2) 360, 2WD, 35 HP
New (4) 310, 4WD, 28 HP

OLIVER

1972- 1855, 18.4x38's.....$6900
1950- GM Diesel, 18.4x34's, Rear Wheel Weights.....$6500

OLIVER

1961- 1900 GM Diesel, 18.4x34's Rear Wheel Weights.....$4500
1963- 1800 Gas, NF, 18.4x34's, Front Weights.....$3900
OC-4 Crawler
MM Jet Star 3.....$2400
MM 335 w/Snow Blade.....$1500

ALLIS CHALMERS

1970- 220 Cab, Front Weights
1971- 185, 18.4x28's, 2 Remotes, Front & Rear Weights.....$7900
1964- 190XT, 18.4x34's, 2 Remotes.....$4900
D-14.....$1900

FORD

1988- 5900 16.9x30's, 2 Remotes, Under 100 Hrs., Like New
1985- 3910- 4WD, Low Hours
1973- 7000 Diesel, New Tires
1967- 5000 Diesel
3000 4WD, 13.6x28's, 7.5x20's, 3 Pt., PTO.....$6900
2000, 4 Cyl., Gas, 12.4x28's, 3 Pt., PTO, 1400 Hrs., Very Clean....$4900

MASSEY FERGUSON

178 Diesel, 13.6x36's, 948 Hrs.....$7900
1965- 165 Gas, 16.9x28's, Multipower, 2 Remotes.....$5500

CASE

1967- 1030-Cab.....$6900
1968- 1030 Cab, 18.4x34's, Rear Wheel Weights.....$5900

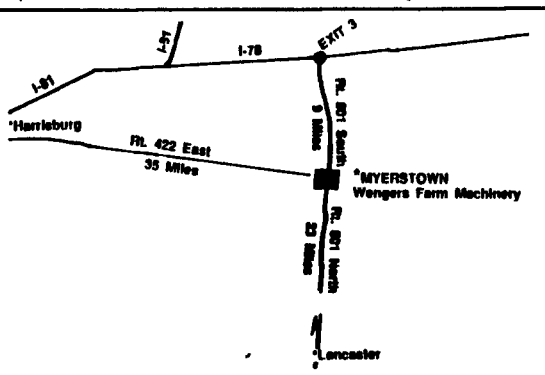
SKID STEER LOADERS

1983- Case 1835B, Gas.....$8900
1978- Case 1845 Gas, New Tires.....$7900

OTHER NAME BRANDS

Jacobsen F-10, 7 Gang Mower

If What You're Looking For Is Not Listed, We Can Find It For You. CALL US!



TILLAGE

JD 1450- 6x18" Trip
JD 2500- 5x16" Spring Reset
JD 8450- 4x18" Rollover 3 Pt. Plow
IH 550- 5X- 14" Cushion Trip
IH 710- 5X- 16" Spring Reset
IH 720- 6X- 16" Spring Reset Detachable 6th Bottom
IH 720- 6X- 18" Spring Reset On Land Hitch-
JD 1450- 4X- 16" Cushion Trip
White 348 4x16 3 Pt. Plow
White 508 4x18" Spring Reset
White 508 5x16" Spring Reset
White 548 6x18" Spring Reset Detachable 6th Bottom
Oliver 508 3x16 Spring Reset
MF 880 6X- 18" Spring Reset
IH 540- 4X Cushion Trip
JD 3X Rollover Plow
Ford 3X Rollover Plow
(3) JD 3X 3 Pt. Plows
JD 4x14- 3 Pt. Plow
Ford 3X Plow
MF- 3X 14- 3 Pt. Plow
IH 2X And 3X Trailer Plows
JD 3X Trailer Plow
2X And 1X Plows
Glenco 14 Shank- 3 Pt. Chisel Plow
JD 12 Shank Pull Chisel Plow
IH 12 Shank- Pull Chisel Plow
IH 10 Shank Pull Chisel Plow
Taylorway 10' Chisel Plow w/Coulters Nice
JD 1710- 10' Mulch Tiller
MF 9 Shank Chisel Plow 3 Pt.
Pico 9 Shank, 3 Pt. Chisel Plow
Paulk- 7 Shank Chisel Plow
Taylorway 7 Shank 3 Pt.- Chisel Plow
Brillion 7 Shank 3 Pt. Chisel Plow
Buster Bars 7',12' & 20'
Krause 21' Wing Disc
Krause- 11' Disc
IH 370- 12' Finishing Disc
JD 13' Disc
JD 310- 14' Disc
Bush Hog 10' Offset Disc- Coming In
JD 8' Offset Disc
AC 8' Wheel Discs
IH 37- 13' Wheel Disc
IH 5'- 1 Pt. Disc
Brillion 18' Pull Field Cult.
Kewanee 13½' Pull Field Cult.
Brady 17' Pull Field Cult.
JD C11- 12' or 15'- 3 Pt. Field Cult.
Glenco 10' Or 13'- 3 Pt. Field Cult.
JD RM6- 3 Pt. Cult.
JD RG-6- 3 Pt. Cult.
JD RM- 438 3 Pt. Cult.
Super A Cult.
JD- 14' Pull Type Rotary Hoe
King Kutter 50" Rototiller
JD 10'-12' Cultipacker
Bearcat- 12' Cultipacker- New
Brillion 14' Crowsfoot Cultipacker
Brillion 11'-13' Cultipacker
IH 12' Cultimulcher

HAY EQUIPMENT

JD 3960 Harvester w/2 RN Cornhead
(2) NH 846 Round Balers
Deutz-Allis- SM-70RC Discbine
(2) NI 279 Cutditioners
(2) Bale Wagons
JD 450 7' Pull Sickle Mower
IH Pull Type Sickle Mower
NH 707 Harvester w/Corn Head
Pequea Hay Tedder- New 710 PTO
NH 258 Hay Rake- Nice
JD Hay Rake
NI 272 Cutditioner
NH 467 Haybine
Gehl Forage Wagon 3 Beater w/Roof
NH 450- 3 Pt. Sickle Mower- 7' Bar
JD 336 Baler w/Ejector

NEW EQUIPMENT

- King Kutter Scraper Blades 6' And 7' Heavy Duty 7' And 8'
- King Kutter Scraper Blades 6', 7' And 8'
- King Kutter Post Hole Diggers 6", 9" and 12" Augers
- King Kutter Discs 5½' And 6½'- 3 Pt.
- King Kutter Grading Boxes 4', 5½', 6', 7' & 8'
- King Kutter Stone Rakes 4', 5', 6', 7' & 8'

Cornshellers- 3 Pt. And Pull Type
Hay Tedders- 9'- 3 Pt. Or Pull Type
Hay Wheel Rakes- 3 Pt.
Seeders- Broadcasters- 3 Pt.
Cultivator 1 Row- 3 Pt.
Potato Diggers 1 Row- 3 Pt.
Ag-Tech Preseeder
Shaver Post Driver HD-8
Cement Mixers-3 Pt.
10' Pasture Drag
Woodsman- 3 Pt. Saw

MISC. EQUIPMENT

Heads- NI 766- 6' Pickup
IH 810 13' w/Floating Cutterbar
NH 960 13' Platform
NH 960 15' Platform w/Floating Bar
JD 443 Corn Head
JD 343 Corn Head
JD 243 Corn Head
1X Flat Trailers
(2) Richardton Hi-Lift Dump Wagon
(5) Bin Wagon On Gear
Bearcat 6 Ton-8 Ton Gears On Rubber- New
65 Gal. 3 Pt. Sprayer- New
Kuker 400 Gal. Sprayer, Cent. Pump- 30' Boom
NH 305 Side-Delivery Manure Spreader- New
NI 10 Manure Spreader
NI 12A Manure Spreader
NI 18 Manure Spreader
NH 206 Manure Spreader
NI 212 Manure Spreader
NI 217 Manure Spreader
NI 218 Tandem Manure Spreader
(2) JD-N Manure Spreader
(3) Cub Manure Spreader
Brillion 8' Seeder
Rock Picker
(2) 3 Pt. Transplanters
JD 8300- 23x7" Grain Drill
IH 510-16x7" Grain Drill w/Grass & Fert.
Crust Buster- 3 Pt. Grain Drill 20x7" DD
JD Loader, 148
IH 2200 Loader
(5) Set Of Duals-Various Types- Including 20.8x38- New
(16) Manure Forks
Cabs- AC 7000
Woodsplitter- 3 Pt.
Wood Chipper- Royer, 3 Pt., 8"
United 14' Stalk Chopper
NI 310- 1X Cornpicker

ROTARY MOWERS

Woods RM48
JD 606- 6'
Ford 909- 5' Pull Type
Bush Hog- 6'
Bush Hog 13' Batwing
- King Kutter Rotary Mowers- New 4', 5' And 6' 3 Pt. And Pull Type
- King Kutter Finish Mowers- New 4', 5', 6' & 7'- 3 Pt.

GORMAN-RUPP

Gorman-Rupp pumps have proven themselves in the field where performance counts. In fact, many of the innovations first introduced on Gorman-Rupp pumps are now standard sprinkler irrigation requirements.

Self-Priming Centrifugal
Liquid Manure - Chopper Pumps

Designed to handle all types of animal waste. M Series pumps will pass spherical solids to three inches in diameter.

PORTABLE FIRE PUMPS
P.T.O. TANKER PUMPS
SUBMERSIBLE PUMPS.

Gorman-Rupp manufacturers over 600 models of pumps to meet every requirement. Lightweight, self-priming, centrifugal pumps, heavy duty dewatering pumps, extra heavy duty trash pumps and a complete line of submersibles including submersible trash pumps.

The one source for a complete line of Gorman-Rupp pumps

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All Steel Frame Hay Wagon, 8x18
All Sizes, Steel Hay Feeders
24' Feeder On Whls.
Self Locking Panels
J & L EQUIPMENT
St. Thomas, PA
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JD 2940 diesel, hi and lo, ind. PTO, excellent condition
$13,500
(717) 532-9472

SPECIAL
New Case D130 Backhoe to mount on skid loader
$5500
717-786-3521

JD 4040 Tractor w/power shift w/snow plow
Zimmerman 40' elevator
(717) 285-7662

USED EQUIPMENT

TRACTORS
- Case SC Tractor
- Case 995
- Case 930 Tractor
- Case 430
- Case 1030
- Case 1370 w/Cab
- IH 2500A Tractor
- David Brown 990 w/Loader
- David Brown 990
- Int. 544
- Int. 656 Gas
- Int. 826 Tractor
- Farmall 300 w/Loader
- Agri Power 8000
- Ford 4000 Tractor
- Ford 2000 w/Side Mounted Industrial Mower
- Ford 8N
- Hesston 60-66
- JD 4030
- JD "B"

LOADERS
- Case 450 Dozer
- Case 1530 Uni-Loader
- Case 1825 Rental
- (2) Case 1835B Uni-Loaders, Diesel
- Case 1830
- Case 1845 Diesel
- Case 1845C Loader
- Case 580D Loader Backhoe- Like New!
- Case 1830 Uni-Loader
- NH 445 Skid Loader

TILLAGE
- Int. 2-Bot. Trailer Plow
- Ford 5-Bottom Plow
- Int. 6500 11-Tooth Soil Saver
- Case Soil Saver — 7 Tooth
- Case 16" Reset Plow, 6 Bottom
- Case Disc Harrow, 10'
- JD 210 Disk
- AC 16 Ft. Wing Disk
- JD 710 7-Tooth Soil Saver
- Kawanee 10 Ft. Disk
- Oliver Disk
- Used Cultipacker

HARVESTING EQUIPMENT
- Hesston 2000-150 Harvester
- Hesston 2000-100 Harvester
- NI Unisystem, 702 Diesel, 710 Combine & 760 Harvester
- NI 744N 4-Row Head
- NI 768 3-Row Head
- NI 705 Uni-System
- NI 709 Uni-System
- NI 315 Sheller
- NI 727 Husking Bed
- NI 737 Husking Bed
- NI 838 Husking Bed
- NI 767 Super Chopper
- NI 323 1-Row Corn-picker
- NI 325 12 Row Husking Bed
- NH 790 Harvester, 2RN, 6 Ft. Pickup
- Int. 234 Picker
- Badger Forage Box

HAY EQUIPMENT
- IH 1190 Windrower
- NH 469 Windrower
- NH 479 Windrower
- NI 404 Rake
- Hesston 3700 Tedder/Rake
- (2) Hesston 1014 — Windrowers — 12' & 14'
- Hesston 1090 Windrower
- Hesston 1091 Windrower
- Case 650 Windrower
- IH 46 Baler
- JD 336 Baler
- NI 456 Round Baler
- IH 27 Baler, For Parts
- IH 445 Square Baler
- NH 78 Baler
- NH 271 Baler

MISCELLANEOUS
- NH 36 ft. Elevator
- NH 40 Ft. Elevator
- King Wise 28' Elevator
- Gehl 99 Blower
- IH 56 Blower
- NI Blower
- Automatic Roller Mill
- Scavenger 1674 Manure Spreader
- Scavenger 1678 Manure Spreader
- NI 218 Spreader
- NI 224 Spreader
- NI 245 Spreader
- NH 353 Spreader
- HM 1674 Spreader
- 1257 Martin Spreader, Like New
- Gehl 350 Spreader
- Gehl 250 Spreader
- NI 243 Spreader
- JD 54 Spreader
- 500 Gal. Century Sprayer
- Weaverline Cart, 30 Bushel
- Ontario Drill
- Tye No-Till Drill
- JD FB-B 17 DD Drill
- JD 8300 Drill— Soybean Special!
- AC 6-Ft. Trailing Rotary Mower

PLANTERS
- JD 1240 6-Row Planter
- IH 4-Row Corn Planter
- Brillion Seeder/Packer

HESSTON THE PRIME LINE

NEW IDEA

case IH

ZIMMERMAN'S FARM SERVICE
½ Mile West Off Rt. 501 On School Road,
Bethel, PA
Phone 717-933-4114

SMITH FARM EQUIPMENT
30 Acker Rd.
Newport, Pa.
Perry County
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USED EQUIPMENT
- MF 399 2WD, 606 hrs.
- 1466D w/cab
- 966D w/cab
- 966D Fender
- 986D w/cab
- 884D
- 784D
- 656 Gas
- 606D
- 656D
- 574D Row Crop
- 300 Gas w/loader
- 340 Gas NFE
- Farmall MD
- Farmall M
- Farmall Super H
- Farmall Super C w/ equip
- Farmall Cub w/belly mower
- AC B w/Woods belly mower
- Ferguson 30
- JD 47 loader
- IH 33 Power Lift loader
- IH 430 Baler w/thrower
- IH 350 10' Disk
- IH 540 Spreader
- NH 27 Blower
- McCurdy 8 ton bin wagon
- NH 273 Baler
- NI 323 picker
- Moritz Cattle Trailer
- 56 Hustler Silage Blower
- Demco Saddle Tanks
- Storage Poly Tanks, various sizes
- Kuhn Trail Hay Tedder
- Wood and Steel Hay Wagons
- Deutz Allis Rake
- Feeder Wagon
- IH 510 Plow, 4x16
- Gehl 2160 Haybine
- NH Spreader
- Demco 500 Gal. Sprayer
- Post Driver, 3 pt.
- Demco 3 pt. 300 gal. sprayer
- NH 679 Spreader
- NH 555 Dsl. Skid Loader

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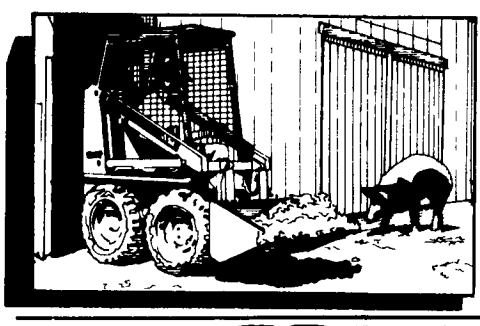
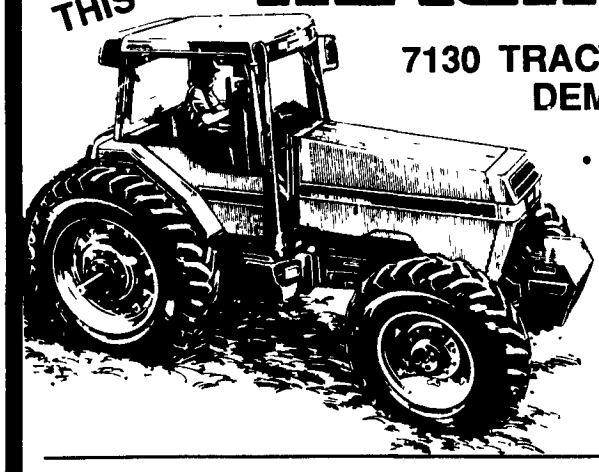
case IH SKID LOADERS



Special Prices On Models 1840 And 1845C
Now Thru Dec. 28th

DON'T MISS THIS ONE!

MAGNUM



7130 TRACTOR, MFD DEMO!

- Also 7110 2WD, Demo!

Low, Low, PRICE!

CALL

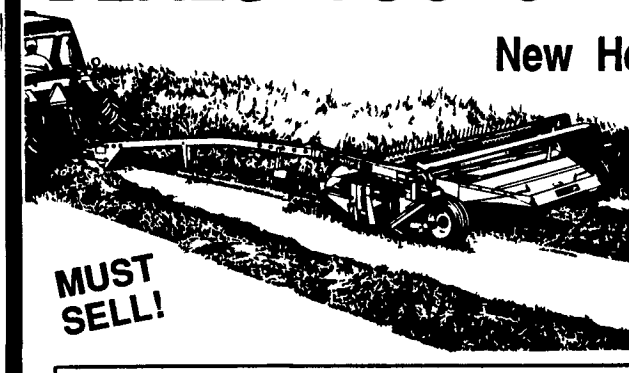
Excellent Used Equipment — Selling On Consignment — Call For Prices!

- NI 802 Unisystem Tractor w/717 Uni Combine And More!
- NI 900 4-Row Corn Planter
- Farmall Super C Tractor w/ Cultivator
- Hesston 4600T Baler w/4600BT Thrower
- Case 1816C Skid Loader w/Bucket And Fork
- NI 406 Hyd. Drive Hay Rake
- Farmhand 817 Feed Grinder
- Case 308 3-Bottom Plow
- 363 Manure Spreader Box w/ Single Beater
- Woods Cadet "Bush Whacker" Mower
- David Brown 990 Tractor
- JD 8250 Grain Drill
- Hesston PT10 Haybine
- Case 970 Tractor
- Case 2290 Tractor
- NI 106 Spin Spreader
- 415 15-Ft. Packer Mulcher
- Case IH 475 17½ Ft. Disc

ZIMMERMAN'S FARM SERVICE
½ Mile West Off Rt. 501 On School Rd., Bethel, Pa.
717-933-4114

case IH

DEALS YOU CAN'T REFUSE!

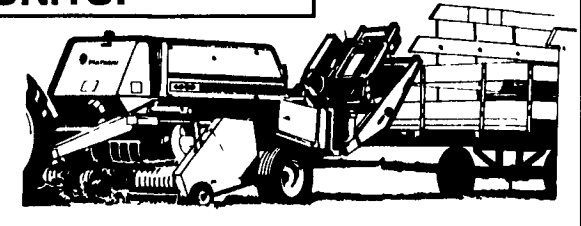


MUST SELL!

New Hesston 1150 Windrower
12 Foot!
List $14,900
~~$9,975~~

CALL FOR OUR BEST PRICES ON THESE UNITS!

NEW HESSTON 14"x18" 4600 BEELINE BALER!



FIATAGRI

HESSTON THE PRIME LINE

Hesston Corporation a Member of the FIAT Group

ZIMMERMAN'S FARM SERVICE
Bethel, Pa.
717-933-4114

105 Int. Grinder Mixer, good condition. 28' JD elevator, needs motor, good condition. 717/837-0059 or 717/837-3214.

1969 JD 4020, new engine and clutch. 1983 JD 2550 Dsl. JD 7000 wide row planter, in nice condition. After 8PM 201/383-6565.

1989 Miller welder legend, 200 amp; 2 stage compressor w/5 h.p. Briggs & Stratten engine. 717-225-5484

(2) JD 820, one with cab; JD 830; MF 65, new motor, new rubber; Styled Model D w/turning brakes; Unstyled AR. 717/222-4432

— *Notice* —

Is that piece of equipment or tractor still not working?

Maybe you should give us a call! We try to fix almost anything if you give us a break! Also aluminum and stainless steel welding, fabrication work and machining.

MILLERS WELDING
Route 372
Christiana, PA 17509
Answering Service (215) 593-6112

USED TRACTOR & COMBINE PARTS
Large Selection
Save 50%
W.C. Littleton & Son Inc.
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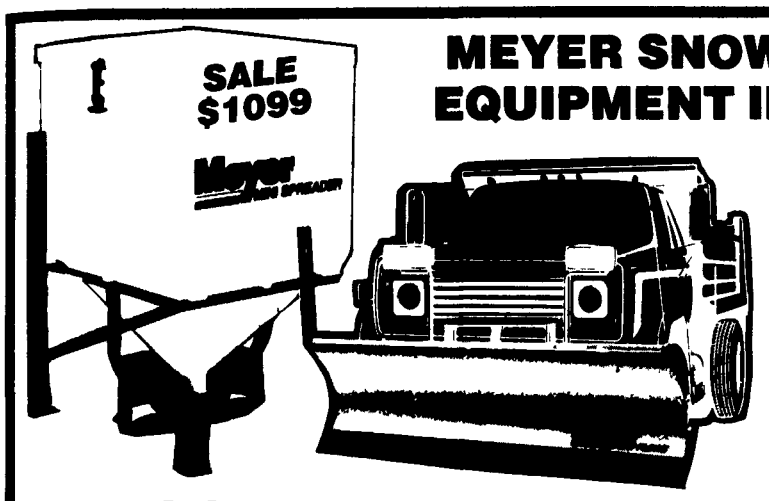
Laurel, DE 19956
302-875-7445



MEYER SNOW & SALT EQUIPMENT IN STOCK

Replacement Parts & Accessories

Truck & Tractor Chains In Stock

RINGO HILL FARMS
1624 Rt. 212, Pleasant Valley, Quakertown, PA 18951
FARM & LANDSCAPE EQUIPMENT
215-346-7340

JD 4320, $7,900
JD 2510, P.S., G, $4,500
JD 1010 w/Ldr., $3,200
JD 630, Nice, $3,800
Ford 860, $3,500
MM 335, $1,300
Oliver 1855D $5,900
JD 730G $4,700
MF 35G, PS, $4,200
MF 50, P.S., $3,500
MF 20 w/Ldr., $3,800
Int. 454, $3,100

New IMT Tractors
539, $7,900
542 w/Ldr., $11,900
560D, 4WD, 60 HP, w/Ldr., $14,900

Dealers Wanted For New IMT Tractors
DIVERSIFIED ENTERPRISES
301/775-0266

Make it a GREEN Christmas

Put some John Deere green under your tree this year. John Deere snow removal products and selected other products are on sale now!

TOUGH TOYS From John Deere
BIGGEST SELECTION EVER!
SPECIAL! ABC GROFF, INC. 100th ANNIVERSARY COLLECTOR TRUCK FREE With Each $100.00 Toy Order
(Regular $24.99)

Even John Deere *toys* are the best quality! Durable die-cast metal scale models are replicas of big John Deere machines. Let your little ones play with the best — John Deere toys.

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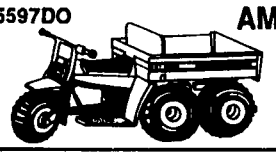
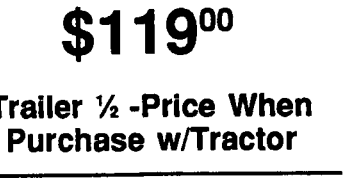


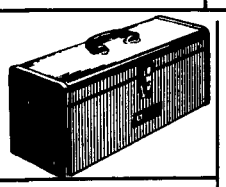
AM Teeny RIDE-ON TOY - AMT® 600
Reg. $129.99
SALE **$100.00**



RIDING TRACTOR
$119.00
Trailer ½ -Price When Purchase w/Tractor

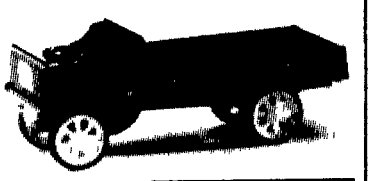
TOOLBOXES
Features heavy-gauge steel removable tray, watershed-design roof and brass-plated hardware. Long enough for most tools, yet compact.

10% OFF John Deere

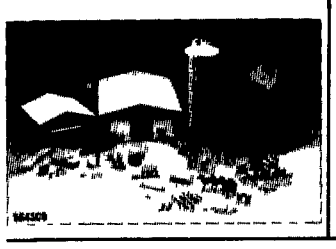


COLLECTOR DAIN TRUCK
$9.95

This prime collector item is a replica of the early 1900's Dain "Commercial Car" made of die-cast metal.



DELUXE 229 PC. FARM SET
$49.95



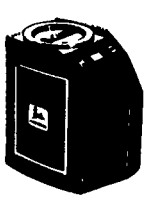
554EO SKID-STEER LOADER TOY

Reg. $22.99
SALE **$19.95**

MOISTURE TESTER

Lightweight, easily calibrated, direct readout tester for corn, soybeans and wheat Automatic temperature control TY15710

Reg. $189.99
SALE **$179.99**



COMPACT TRACTOR SPECIALS!

■ 870 MFWD, 28 HP, Turf Tires, PS- **$10,500.00**

■ 855 MFWD, 24 HP, Hydro-Static, PS- **$10,900.00**

- ▲ Choose from compact utility tractors under 40-hp with synchromesh, collar shift or hydrostatic transmissions
- ▲ Simple hookup lets you attach a variety of implements to the powerful PTO and go
- ▲ Open, roomy platform for easy operation
- ▲ Fuel-efficient engine
- ▲ Series hydraulics allow multiple functions

CNAL

No Interest Financing For 9 Mos.
Call For Details!

Nothing Runs Like a Deere®

ABC GROFF
Since 1890
The Name You Can Trust

110 South Railroad Ave.
New Holland, PA
17557
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New Winter Hours
Now Thru Feb. 28 '91
Mon.-Fri. 7:30-5:00
Sat. 7:30-12:00

100 Anniversary

Smith's Implements, Inc.
12258 Buchanan Trail West, Mercersburg, PA
Phone (717) 328-2244 & 2226

USED TRACTORS

JD 4250 Tractor w/Powershift trans. & cab, 1766 hrs., 3 yrs. old ..... **Coming In**
JD 4230 Tractor w/4 Post Roll Guard and Power Shift Trans. ..... **Call For Price**
JD 3020 Tractor, dsl., WFE, syncro range trans., good cond. ..... **Coming In**
JD 2755 Tractor, 1987 model, factory cab, 4 WD ..... **Call For Price**
JD 2440 Tractor, w/JD 146 loader w/2 buckets.. **Call For Price**
MF 20 Industrial Gas Loader Tractor w/cab enclosure, 3 PH 540 PTO ..... ~~$5,250~~ **$4,650**
JD 2630 hi-low trans., roll bar & canopy, new paint, new clutch, 1100 orig. hrs. w/145 JD ldr. ..... **Call For Price**

HAY AND FORAGE EQUIPMENT

Waiver of Finance 'til April 1st '91 Upon Approval
JD 5720 self-prop. forage harvester w/rotary screen, 4WD w/1554 hrs. ..... Coming In
JD 5440 self-prop. forage harvester w/4WD approx. 1637 hrs. ..... **Call For Price**
NI 709 Uni system w/4WD w/767 Chopper Unit. **Call For Price**
JD 1 row crop head **$75**
(2) JD 5½ ' Pickup Head ..... **$400 & $600**
JD 830 Self-Propelled Windrower w/12' Head .. ~~$3,600~~ **$3,100**
JD 344 Snapper Head ..... ~~$1,600~~ **$1,300**
NH 316 Square Baler w/Ejector Type Thrower w/Electric Controls, 3 Yrs. Old, Excel. Cond. ..... **Coming In**
NH 495 12' Mower Conditioner ..... **Call For Price**
IH 445 Square Baler w/#15 thrower (1984-85 Model) **$3,500**
JD 1209 Mower Cond. w/non-clog guards ..... **Call For Price**
NI 702D Unisystem w/overhauled engine, 767 chopper unit and 6' grass head and 2 RW corn head **$4,900**
(2) JD 3RN Row crop head excell cond. ..... **Call For Price**
JD 216 wagon w/roof, 3rd beater, on JD 1275 tandem running gear **$1,800**
Gehl 910 forage wagon, roof, 3rd beater on tandem running gear ..... **$1,500.**
JD 3970 Forage harvester w/metal detector and spout trac many extras ..... **Call For Price**

MISCELLANEOUS

OMC 330 Mustang Skid Steer Loader w/2 Buckets, w/Engine Completely Overhauled ..... ~~$3,995~~ **$3,750**
JD BWF 11'6" disc ..... SOLD **$1,300**
JD 215 Disk Harrow w/push & gangs, 12' excel. cond. ..... **Coming In**
JD 950 Roller Harrow, 12' excel. cond. ..... **Coming In**
JD Manure Fork to fit 240, 245, 260 and 265 ldrs. ..... **Call For Price**

PLANTER

Waiver Of Finance Til April 1, 1991 Upon Approval
JD FBB Grain Drill w/Fert. Attach, Grass Seed Attach w/15x7 DD Openers **$1,395**
JD FBB Grain Drill w/single disc, fert. attach. and grass seed attach **$1,195**
JD 7000 6R Conservation Planter, w/Liquid Fertilizer and Extras ..... ~~$6,950~~ **$7,250**
JD 7000 6R conserv. planter, dry fert., Coming in ..... ~~$6,950~~ **$7,250**
Littleston 10' No-til drill w/fert. and grass seed attachment, 3 years old ..... **Call For Price**
Vermeer 1066, hay buster 12' no till drill ..... **Was ~~$4,900~~ Now $4,200**

J & L hay-saver feeds 20 cattle.

New, improved, round hay-bale feeder feeds large or small hay bales along with square bales. It proves to save hay. This feeder is built of heavy 1¼ " pipe and ¼ " steel for ring. Available with ¼ " steel or treated ¾ " plywood floors. This 1,200 lb. feeder is built to last.

Call for more information.

J & L Equipment
St. Thomas, PA
(717) 369-2637

6,000 Lb. Cap. Mastercraft,
22' Lift, Sideshift, Ford Diesel,
Very Good Condition
$7,500
301-486-6691

USED EQUIPMENT

FORD NEW HOLLAND

TRACTORS
(2) 8N Fords (L)
Ford 1710, 4WD w/770B Loader
IHC 684

FORAGE
NH No. 23 Blower
NH 30 Blower
NH 718 2-Row Forage Harvester
Gehl 72 6-Ft. Flail Chopper

SKID LOADERS
Case 1816 w/Dirt Bucket

TRACTORS DISMANTLED FOR USED PARTS
Oliver 550
Oliver 77
Oliver 1650
Oliver 1955
Oliver 1750

LAWN & GARDEN
Ford LT11 Lawn Tractor
Simplicity 4212 Lawn Tractor w/Mower
Cub Cadet 128 w/38" Mower
Cub Cadet 582 w/44" Mower

TILLAGE & PLANTING
IH 455 4 row Planter
IH 400 4 Row Planter
Oliver Drag Type Harrow
Oliver 242 Disk

HAY TOOLS
NH 499 Haybine
NH 310 Baler w/Thrower
NH 275 Baler w/Thrower
NH 411 Discbine (L)
IH 440 Baler w/No. 10 Thrower
JD 10 Side Mtd. Mower
Ford 5 Ft. Rotary Mower

GRINDER MIXERS
NH 357

SPREADERS
IH 540 w/Hyd. Endgate

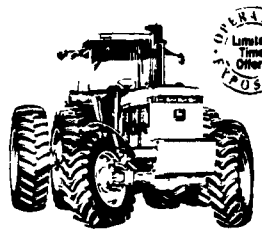
NORMAN D. CLARK & SON
Honey Grove, PA 17035
717-734-3682

Located 14 Miles South of Port Royal on Rt. 75

2nd Location — Loysville, PA — 717-789-3117
(L) indicates equipment at Loysville location. (Formerly Shover's)

Save Green on John Deere Green

Drive a Deere ...FREE!



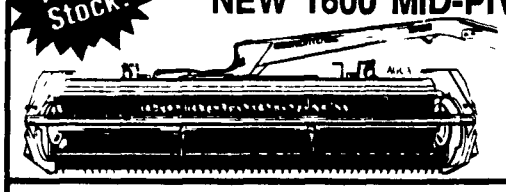
IN STOCK NOW:
- JD 4055 Power Shift, MFWD, 105 HP
- JD 4255 Power Shift, 2WD, 120 HP
- JD 4255 Power Shift, MFWD, 120 HP
- JD 4055 Quad Range, 2WD, 105 HP
- JD 2955 4-Post, 2WD, 85 HP

See us about a demonstration drive in a John Deere 55 Series, 105- to 200-hp tractor Because the best way to understand a tractor is to drive it and compare it We'll also fill you in on

- NO finance charges until March 1, 1991, or special low-rate financing or cash discount
- FREE 5-year Customer Protection Plan for your new tractor • EXTRA savings on John Deere hay and tillage tools

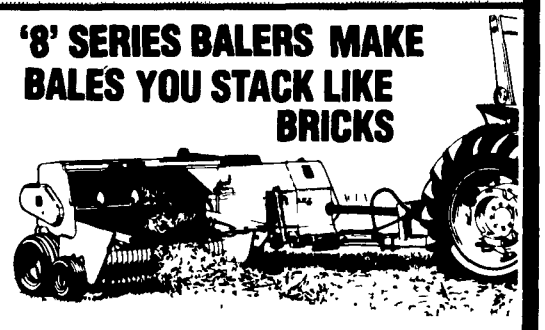
Now in Stock!

SEE IT HERE! NEW 1600 MID-PIVOT MO/CO!



- Mid-pivot 1600 Mo/Co comes in 12-, 14- and 16-foot widths
- Wider 110-inch rolls, exclusive design
- Quick adjustments

'8' SERIES BALERS MAKE BALES YOU STACK LIKE BRICKS



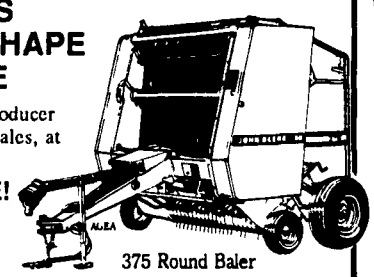
- John Deere '8' Series Baler knotters adjust to different twines and crops. Easy to service, too
- Exclusive hay control features produce dense bales that stack like bricks

JD 328 BALER - $8,550.00 (1 Only)

FOR ROUND BALES YOU'RE IN THE BEST SHAPE WITH JOHN DEERE

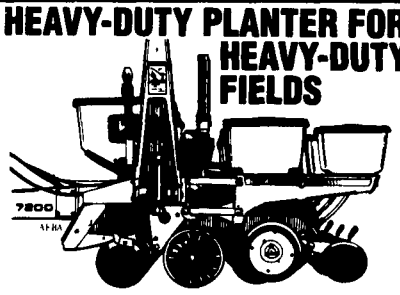
The 335 and 375 Balers are for the hay producer who wants to get the efficiency of round bales, at a trimmer, leaner cost

NEW PROGRAM-LOWER PRICE! JD 375 ROUND BALER
(Demo) (1 Only) - **$10,900.00**



375 Round Baler

HEAVY-DUTY PLANTER FOR HEAVY-DUTY FIELDS

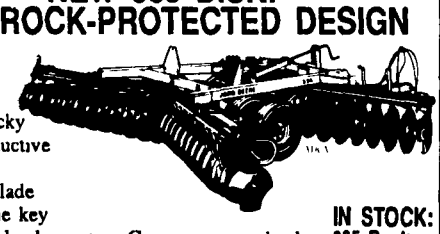


Order A Planter Before Dec. 31 And Save 5% (Plus) No Interest Or Payments Until April 1, 1991!

Don't Miss This Opportunity To Save!

Hurry! Now Is The Time To Reserve A Planter For Next Season.

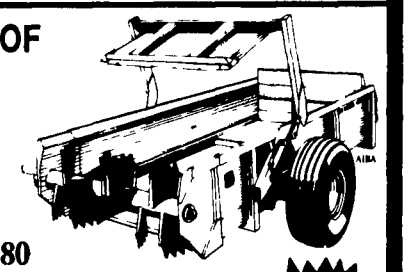
NEW 635 DISK! NEW ROCK-PROTECTED DESIGN



- Work rocky soil at productive rates with minimum blade damage. The key is a unique load-sensitive C-spring gang shank
- 600 Series tandem design, rolling disk middlebreaker, easy depth setting and leveling
- Rigid, rigid-fold and flex-fold sizes

IN STOCK: 635 Rock-Flex Disc, 12'2" - Call For Details!

FREE YOURSELF OF YOUR CHAINS



- Two sizes of Hydra-Push™ spreaders use hydraulic power to push loads. No chains
- Fast unloading, no conveyor fall-back, self-cleaning
- Construction material resists corrosion and freeze-up

780 Hydra Push Spreaders, 370 Bu.
BUY NOW! SAVE 6%

Great deal!

NEW PROGRAM! JD 2000 5 BOTTOM SPRING RESET PLOW

Buy This Plow Dec. 1 through March 31 And Save!!!

Spring-reset standards for on-the-go performance
Keep moving over rocky ground with rugged single-pivot spring-reset standards Dual compression springs provide 4500-pound reset force. Enough strength to maintain depth in hard ground

Was ~~$9,450.00~~
AFTER DEC. 1
$8,990.00

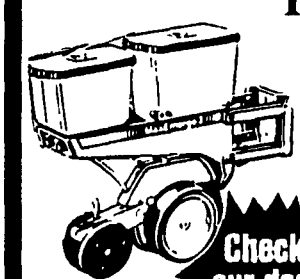
2000. the medium-duty semi-integral with high-powered features at a low-powered price

1460 ROTARY MO/CO...WITH MOLDED URETHANE CONDITIONING ROLLS

- High-speed disk cutting with unique conditioning rolls that apply more pressure over more crimping points

NEW PROGRAM - LOWER PRICE!
SAVE $700.00
JD 1460 10' With Roll Conditioner And Equal Angle Hitch-Was ~~$12,900~~ NOW $12,200

TWO ROW MAX EMERGE II VERSA FRAME PLANTERS



Check our deal

2 Row, 3 Pt. Mounted

- Max Emerge Planting Accuracy In No-Till, Minimum Till Or Conventional Till
- Plant "In Furrow" And Under Plastic With Optional Furrower Attachments
- Infinate Row Spacings From 15" - 40"
- All Units Built To Your Needs And Specifications With John Deere Components

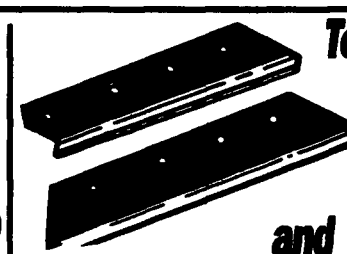
Attention: Sweet Corn Growers - Order Now For Spring!

>NEW< FOR 90
2 & 3 ROW PULL TYPE PLANTERS
AVAILABLE FOR 1991 PLANTING SEASON

10% OFF Hand Cleaner

Antiseptic with skin conditioners. 16 oz.

Tough Tillage Parts... For John Deere and Other Parts



Now, one stop delivers everything you need! Get perfect-fitting John Deere sweeps and shovels that self-sharpen as they work, resist breakage, fight wear. And, for non-John Deere equipment, choose our Match Plus sweeps and shovels.

ABC GROFF
Since 1890
The Name You Can Trust

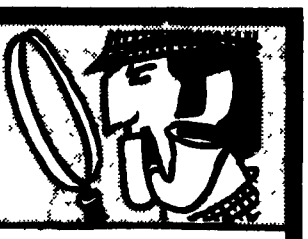
110 South Railroad Ave.
New Holland, PA 17557
717-354-4191

NEW WINTER HOURS:
Now Thru Feb. 28, 1991
M-F 7:30-5:00
Sat.: 7:30-12:00

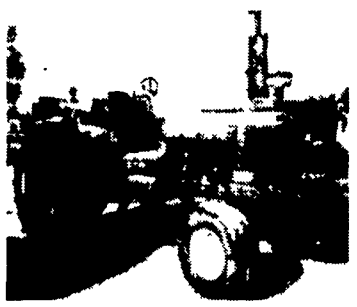
100 1890 ANNIVERSARY 1990

BARGAIN HUNTER VALUES

Track Down BIG BUYS ON QUALITY Used Equipment



SAVE ON YEAR END TAX DOLLARS WITH THE PURCHASE OF GOOD USED EQUIPMENT

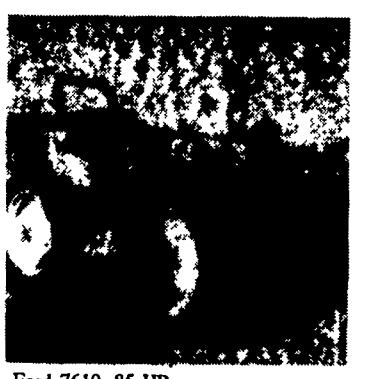


Ford 7700, 85 HP **$15,500**

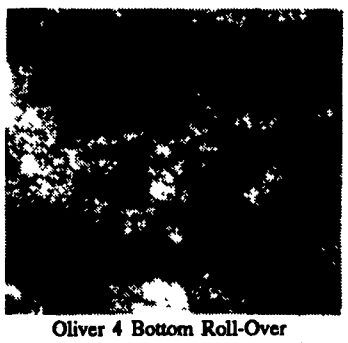
Ford 9600, 130 HP w/Cab, 16 Speed, Dual Power Trans.

Versatile 276 Bi Directional 100 H.P., 350 Hours, With 12 Ft. Cut & Roll Condituoner, Hay Head **$42,000**

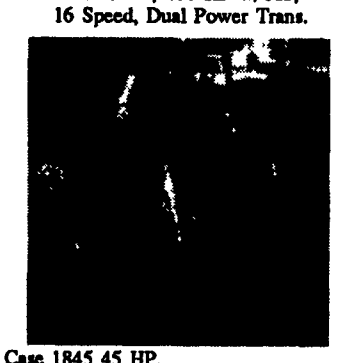
NH L-454, 31 HP, 200 Hrs. **$9,800**



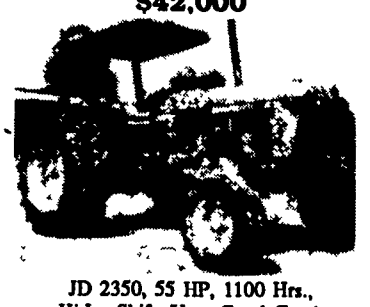
Ford 7610, 85 HP, 89 Hours, Like New **$21,900**



Oliver 4 Bottom Roll-Over Plow, Trip Bottom, Good Cond. **$2,900**



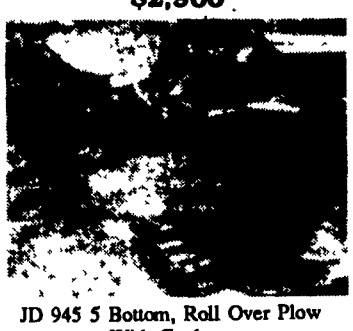
Case 1845 45 HP, Good Condition **$7,900**



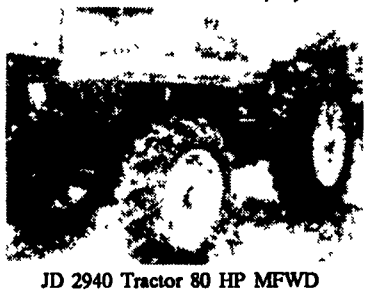
JD 2350, 55 HP, 1100 Hrs., Hi-Lo Shift, Very Good Cond.

Brillion 24 Ft. Folding Packer, Good Condition **$4,500**

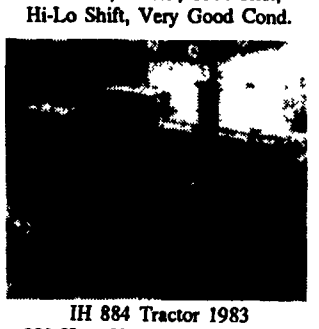
Ford 3600, 40 HP, Good Condition **$8,200**



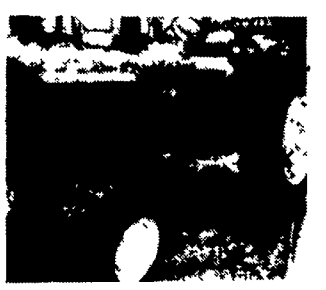
JD 945 5 Bottom, Roll Over Plow With Coulters



JD 2940 Tractor 80 HP MFWD



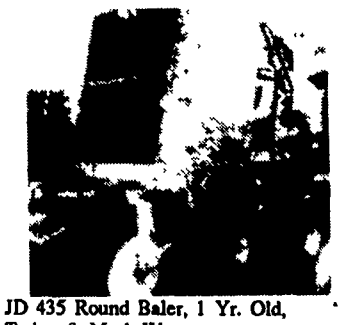
IH 884 Tractor 1983 800 Hrs., Very Good Condition



JD 2520 Gas, 60 HP, Good Condition **$5,700**

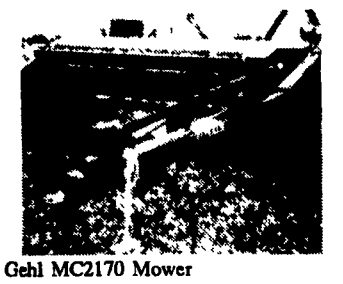
IH 3788, 170 HP, Low Hrs., 1 Owner, Clean, Very Good Condition

NH 853 Round Baler, Makes Up To 1200 Lb. Bales, Good Condition

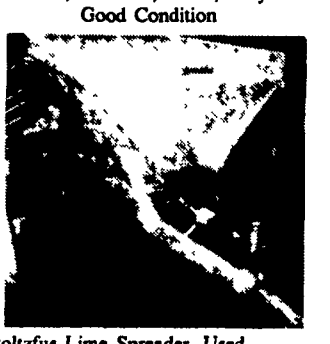


JD 435 Round Baler, 1 Yr. Old, Twine & Mesh Wrap, Very Good Cond. **$14,500**

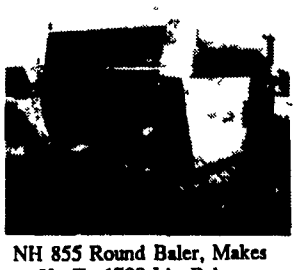
NH 1895 Forage Harvester With/Met Alert And 3 Row Auger Base, Corn Head & Hay Pickup



Gehl MC2170 Mower Conditioner w/ Hyd. Swing **$7,900**

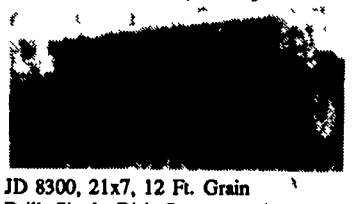


Stoltzfus Lime Spreader, Used 1 Year, Like New **$5,900**



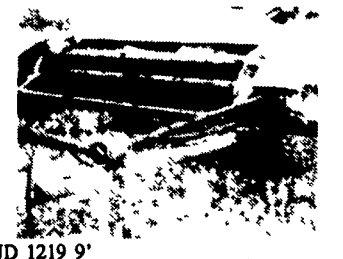
NH 855 Round Baler, Makes Up To 1700 Lb. Bales, Good Condition

JD 375 Round Baler Used For 40 Bales, New Warranty **$11,200**

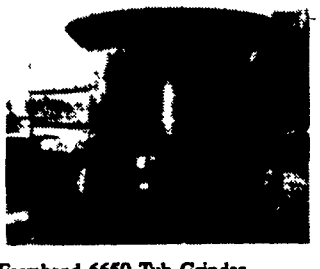


JD 8300, 21x7, 12 Ft. Grain Drill, Single Disk Openers, w/ Grass Seed Attach., Good Cond. **$3,500**

JD 1460 Disk Mower Conditioner, 1 Yr. Old, w/Rolls & Swivel Hitch **$10,900**

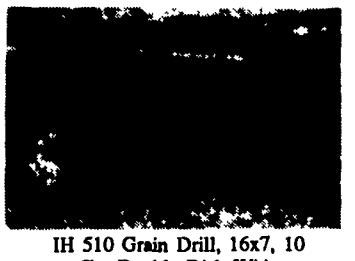


JD 1219 9' Mower Conditioner **$4,500**



Farmhand 6650 Tub Grinder, Like New Cond. **$17,500**

Farmhand 817, 100 Bu., Grinder Mixer, Very Good Condition **$4,950**



IH 510 Grain Drill, 16x7, 10 Ft., Double Disk With Fertilizer - Good Condition

JD 1500 Powr-Till Seeder, 8 Ft. **$3,500**

JD 605 Spin Spreader Good Condition **$3,500**

USED EQUIPMENT

Spreaders
JD 450 Hydra Push, 225 Bushel, $3,900
JD 450 Hydro Push, 225 Bushel, $2,900
JD 40 175 Bushel, $1200
NI 213 175 Bushel, $1200
IH 150 160 Bushel, $1300
NI 244 325 Bushel Tandem Axle, $3500
NI 225 325 Bushel Tandem Axle, $2500
NH 308 Spreader, Mounted On A Truck $13,000

Harvesters
NH 1890 Base Unit Only, Overhauled
NH 718 Harvester With 2 Row Narrow Corn Head & Hay Pickup
JD 3960 Harvester With 3 Row Corn Head $10,900
JD 3950 Harvester w/2 Row Cornhead & Hay Pickup

Sprayers
Hardi TR500 500 Gal. Electric Controls, 45 Ft. Boom $3,900
Century 500 Gal. Electric Controls, 40 Ft. Boom And Foam Marker, 1 Year Old, $3,900

Mower Conditioners
NH 1495 Self-Propelled, 12 Ft. Cut, Hydrostatic
Kuhn FC300GC Disk Mower Conditioner 10 Ft. Cut
NH 489 Mower Conditioner $3900, Good Condition
NH 488 9 Ft.
NH 489 9 Ft. $4,500
NH 469 9 Ft. $1,750
NH 495 12' Cut $2,900
JD 1508 15' Rotary Cutter, 1 Yr. Old, $6,500
JD 1209 9', $2,500

Tractors
Ford 5610, 62 HP, 2 WD, Cab, Air, 86 Hrs., $21,900
JD 450 Crawler, Dozer
Farmall 400 Gas
Ford 4000 45 HP Diesel, $3,950
Ford 601 w/Loader
JD 3020, Gas, 70 HP
Ford 9N Gas
JD 410 Loader, Backhoe $16,900
AC D-14 Tractor 30 HP, Gas $1900
JD 4010 85 HP w/Cab $7,900
JD 40 Crawler $3,000
JD 2040, Low Hrs., 40 HP, w/145 Loader $10,900
JD 2640, 70 HP $10,900

Backhoe
Bradco 9HD Fits New Holland 500 Series Loaders
NH Model B-134 Fits NH 700 Series

Balers
NH 315 Baler w/70 Thrower $6,500
NH 316 Baler w/75 Ejector $7,500
JD 336 Baler & Thrower
NH 276 Baler w/Thrower
NH 272 Engine Baler
NH 320 Baler $4,500
NH 272 Baler w/Thrower $1,900
NH 846 Round Baler w/Auto Wrap $5,900
NH 275 w/53A Thrower
NH 315 Baler w/Belt Thrower $5,900

Loaders
Farmhand Heavy Duty Loader (Fits 4 Cyl. John Deere Tractors)
JD 175 Loader

Mowers
NH 451 Sickle Bar, 7 Ft.

Planters
JD 7100 Toolbar, 4 Row w/Dry Fertilizer Attachment
IH 400 Air Planter 6 Row Narrow, Good Condition
JD 7000 4 Row Wide Planter, $4,500
JD 7000 6 Row Conservation Planter
JD 7000 4 Row Conservation Planter

Compact Tractors
JD 950 4WD
JD 650 w/Mower $5,900
JD 950 MFWD Turf Tires w/Loader, 27 HP $10,900
JD 950 MFWD Bar Tines w/Loader & Backhoe, 27 HP $12,900

Skid Steer Loaders
L-775 Deutz Diesel
L-785 Perkins Diesels
NH L452 30 HP Gas, $8,200

Tillage
IH 18 Ft Field Cultivator
JD 950 Roller Harrow 15 Ft
JD F-125 3 Bottom Plow 16" Bottom

Rakes
Kuhnflex KF4
NH 56 8½ Ft

Grinder Mixers
NH 350, 80 Bushel
NH 355 100 Bushel 21" Mill
NH 352 80 Bushel 16" Mill
Farmhand 815 82 Bushel 16" Mill

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3 - Case 580B, 1 With Extend-a-Hoe, 2 Standard hoe..... Starting $7,000
2 - Case 580C, Cab, Standard Hoe w/cab ..... $13,500/Ea.
3 - Case 580K, open ROPS, 1 w/extendahoe 2 w/standard hoe ..... Call For Price
2 - Case 580E, open ROPS, standard hoe ..... Call For Price
Case 580E, Cab, Standard hoe $18,900
Case 580K, cab, 4WD, extend-a-hoe $28,200
Case 580E, cab, 4WD, standard hoe $24,500
JD 310C cab, w/extend-a-hoe..... $19,800
JD 310A open ROPS, standard hoe. $12,500
International 3400 open ROPS, standard hoe $7,500

CRAWLERS

Case 850C 6 way dozer $22,700
JD 450B crawler loader..... $10,500
JD 450 crawler loader 4-N-1 bucket.... $8,950

LOADERS

2 - AC 545 4WD loaderes ..... $8,500/Ea.
Terex 11C 4WD loader $8,000
Case 586B Forklift 21' mast, diesel $8,800
Case 580 Forklift, diesel engine 21' mast..... $5,000
1988 Bobcat 743 w/909 backhoe attachments, very good condition $14,500
2 - 1988 Bobcat 743 1,000 hrs., new tires..... $9,000/Ea.
Bobcat 443 skid loader, diesel engine $5,000
909 Bobcat backhoe attachment, excellent condition $5,000
D100 backhoe attachment $3,500

OTHER EQUIPMENT

Lincoln Portable Welder Wisconsin gas engine $495
3 - Bobcat breakers, 1 Allied hammer for 580 Case ..... Price on Request

75 Plus Backhoe & Loader Buckets
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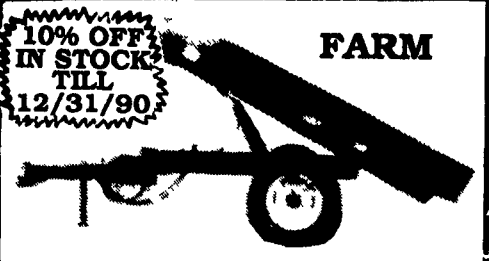
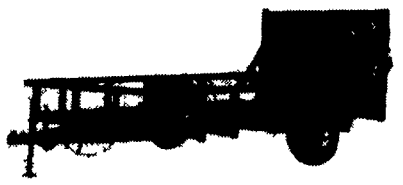
FARM

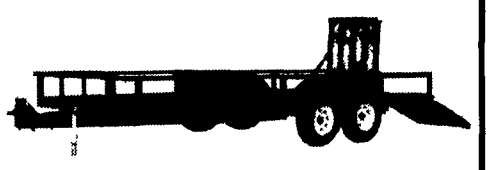


6'x8' 4 Ton 6½ 'x10' 5 Ton

Also Available in 4x8 1500 lb. GVW 8" Tire

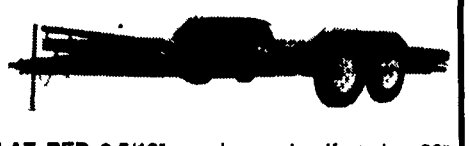


UTILITY (Tilt Model) - AVAILABLE SIZES: LENGTH: 8 to 12 feet, WIDTH: 60 to 76 inches, GVW: 3,500 lbs.



UTILITY - AVAILABLE SIZES· LENGTH: 12 to 20 feet
WIDTH: 76 to 81 inches, GVW· 7,000-12,000 lbs.

Car Haulers Available.



FLAT BED 2-5/16" coupler, and self storing 80" long ramps. AVAILABLE SIZES: LENGTH 14 to 18 feet, WIDTH: 76 to 81 inches, GVW: 8,000 lbs.,

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International Farm Equipment

- 1 & 2 Bottom Plows
- Discs 4' - 8'
- Blades 5'-8'
- Box Blades 4'-8'
- Stone Rakes 4½ '-8'
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- 1 Row Cultivators
- Dirt Scoops
- Boom Poles
- Rear Carriers
- Chipper-Mulcher
- Fertilizer Spreaders
- Concrete Mixers
- Field Cultivators
- Potato Plows
- Hay Rakes & Tedders
- Rotary Mowers 3'-11'
- 4'-7½ ' Finish Mowers
- Bale Carriers
- Sickle Mowers
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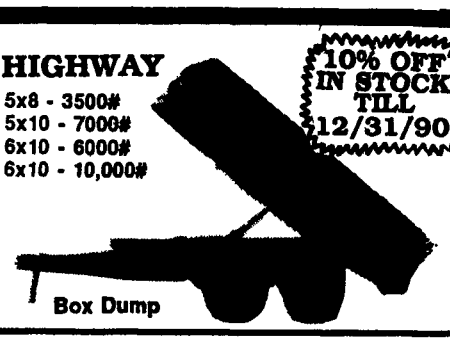
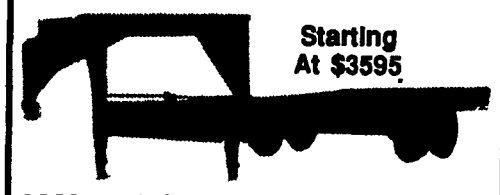


Box Dump

CONSTRUCTION (LOW DECK) - AVAILABLE SIZES: LENGTH 14'-20'; WIDTH 76"-81". GVW: 8,000-12,000 lbs.

Starting At $3595



GOOSENECK TRAILERS - AVAILABLE SIZES: LENGTH: 20 to 28 feet, GVW: 12,000-20,000 lbs., WIDTH: 8'.

CONSTRUCTION (DECK-OVER) - AVAILABLE SIZES: LENGTH: 18 to 24 feet, WIDTH: 8 feet, GVW: 12,000-20,000 lbs., Eight (8) lug brake axles.

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COMBINES

NH TR-70 1979 Combine w/13' Grain Head And 6RN Corn Head
NH TR85 4WD w/Grain Head

HAY & FORAGE

NH 489 Haybine
NH 38 Crop Chopper
NH 469 Haybine
NH 30 Forage Blower
NH 315 Baler w/Thrower
NH 283 Baler w/Thrower
NH 278 Baler w/Thrower
NI 272 Cutditioner
NH 782 Harvester w/New Heads
NH 717 w/2 Row Cornheads
Gehl 5100 Round Baler
NH 256 Rake
Kuhn G2 Tedder
NH 1495 Self-Prop. Haybine, Dsl.

USED TRACTORS

Ford 8600 w/Cab, Dual Power
Ford 6600 Diesel Dual Power Royal Cab, Weights Front & Rear 2 Remotes
Ford 5000 Gas
Cub Lo-Boy w/Woods Mower
Ford 1910 4WD w/Ldr.
MF 35 w/Multi Power
AC WD w/Picker
Ford 1320 4WD, Hydro w/Ldr.
Ford 600

MISCELLANEOUS

Woods Mower 72" Belly Mtd. For 1910 Ford
NH Grinder Mixer 358, New Tank And Augers
IH 1150 Grinder Mixer
NH 357 Grinder Mixer
NH 513 Spreader

TILLAGE

Ford Demo Soil Saver 9 Teeth
New Wilrich 10 Tooth Chisel, 3 Pt.
Ford 152 6 Bot., Auto Reset
Ford 101 2 Bot. And 3 Bot. Trip Plow
JD 5X Plow
Brillion 16' Harrow

USED INDUSTRIAL TRACTORS

Ford 455 TLB w/Extenda Hoe 2 Lever 74 Hrs.
Ford 555B 2 WD 14 Ft. Hoe Cab 2 Lever 199 Hrs. 16.9-28
NH L775 Skid Loader, Gas
Ford 4500 TL
Cletrac Dozer Model AG
Ford 555 4 Post ROPS
Caterpillar D5 Dozer w/6-Way Blade
NH L-35 Skid Loader, Gas w/Snow Blade

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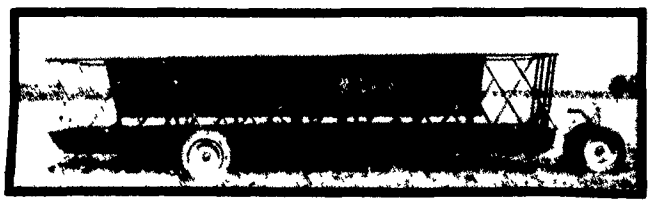

Manufactured By

Stoltzfus Manufacturing

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For More Information Contact:

Derstine Farm Equip.
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Siebert Farm Equip.
New Oxford, PA
717-624-8763

Walnut Barn and Dairy Equip.
Port Royal, PA
717-436-9429

Grumelli Farm Service, Inc.
Quarryville, PA
717-786-7318

Binkley & Hurst Bros. Inc.
Lititz, PA
717-626-4705

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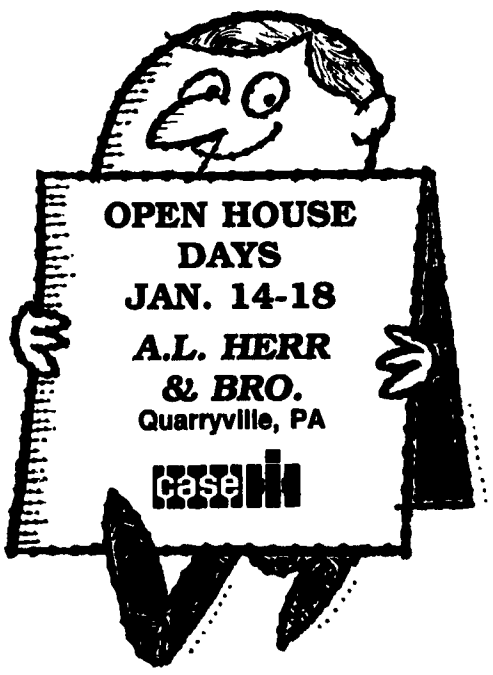

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743 Bobcat
1600 Bobcat Articulated Loader

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L554 NH
Used 743 w/New Flot. Tires, Wheels, Bad Engine, $2,800 [SOLD]

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IH 4168 4WD w/cab, low hrs. 12,000
IH 666 Gas 2800 hrs., year-a-round cab, 3 pt. hitch 7,600
IH 584D, 1500 hrs. 10,700
IH 884D row crop 9,800
IH 684D, 3000 Hrs., new clutch T/A 9,500
Case 1845 uni-loader 7,500
IH 154 Cub LoBoy w/60" undermount mower 3,200
F-300 gas 1,000
F-300 gas ..... coming in
F-M 850
F. Cub with 60" mower 2,800
F. Cub 1 pt., FH, sickle bar mower 3,800
AC C tricycle reconditioned, like new 1,500
Sickle bar mower for F. Cub 350
Cultivator for F-Cub 200

TILLAGE

IH 700 6x16 auto-reset plow 2,450
JD 1350 5x16 shifting hitch, semi-mount 2,500
IH 550 5x18 plow shift hitch 1,350
IH 510 5x16 plow 1,650
IH 440, 3 bottom, 18" plow 950
White #348 3116 3 pt. plow 750
JD 3x16 3 pt. plow 575
Brillion chisel plow, 10 ft., 3 pt. hitch, high clearance 1,150
Dunham trailing plow, 8 ft. high clearance 1,150
IH #37 transport disk 950

PLANTING

IH 5100 drill, 18x7 3,650
IH 58 4-row w/fert. 600
IH 400 6-row planter 400
IH 4-row corn planter, double disk ..... parts
IH 400 air planter ..... make offer

HAY AND FORAGE

IH 37 baler w/o thrower 850
IH 47 baler w/o thrower 1,150
IH 440 baler 1,800
IH 430 baler w/thrower 2,350
IH 35 hydraulic drive rake 800
New Holland 1469 self-prop. mower-cond 2,300
IH 1190 mower conditioner, 9 ft. 3,750
IH 1190 mower conditioner 3,600
IH 1190 mower cond., 9 ft. 2,200
Gehl forage harv. w/hay p/u & 2-row corn head ..... make offer
IH #100, 2 pt. hitch, balanced head, sickle bar mower 275

COMBINES AND HARVESTING

IH 205 w/13" plat. and corn head ..... parts only
IH 315 hydro combine w/grain & 2 row corn heads ..... parts only
Fox #2300 forage harv. w/hay p.u. & corn head 2,800

MISCELLANEOUS

New Holland #306, tandem axle, 1700 gal. spreader, like new 7,300
IH 550 spreader w/hydraulic endgate (2 yrs. old) 2,500
3 Surge milker unit w/elec. pulsation 300
IH 2250 loader w/mat. bucket 2,200
Dunham-Lehr loader 1,200
Loader for 8N Ford 450
IH #200, 2 pt. hitch, 8 ft. blade 250

LAWN AND GARDEN

IH 1772 Cub Cadet, 17 hp diesel w/46" mower, 150 hrs., like new 4800
IH 1100 Cub Cadet w/mower 1,175
IH 1200 Cub Cadet 12 HO w/44" mower 1,850
IH 1100 Cub Cadet w/44" mower 1,175
124 Cub Cadet w/mower 950
127 Cub Cadet 1,000
IH 106 Cub Cadet, 10 HP w/mower 1,000
IH 100 Cub Cadet, 10 HP w/mower 800
IH 72 Cub Cadet w/mower 775
80 Cub Cadet lawn tractor w/mower 650
Gilson 11 HP w/mower 650
42" snow blower 375

Has Your Equipment Had Its Pre-Season Check-Up?

Act now and save time and money.

Receive a 10% discount on parts and labor on jobs over $500 performed in our shop and paid for at completion.

INCH EQUIPMENT CO.

E. Main St. • McAlisterville

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case IH

ENFIELD EQUIPMENT INC.

720 WHEELER SCHOOL RD
WHITEFORD, MARYLAND 21160
1/2 MILE WEST OF RT 136 ON RT 165
HOURS MON.-FRI. 8-5, SAT. 8-12

301 452 5252

Material Handling Equipment
301 879 5090

TRACTORS

JD 4230 Powershift 4 Post Canopy, 20.8-38- Coming In!
JD 2355, 2WD, 850 Hrs., Excel. Cond.
JD 950, 2WD, Ag Tires, 630 Hrs.
JD 850 Tractor, 139 Hrs., 2WD, Turf Tires, PS, Canopy, Excel. Cond.
JD 40, Wide Front, 3PT Hitch, PTO, S# 64679
Farmall 450 Tricycle, Average Shape
Farmall 560 Tricycle, Fair Shape
MF 165, Diesel, New Brakes & Clutch w/Kelley Loader
Ford 1500, Diesel w/Flail Mower, 434 Hrs., 2WD, Turf Tires

HAY EQUIPMENT

JD 1327 Disc Mower Conditioner, Very Good Cond.
JD 1219 Mower Conditioner, Non-Clog Guards, Very Good
JD 1209 Mower Conditioner, Priced To Sell
NI 279 Cutditioner, 540 PTO
NH 411 Discbine, Rolls Good, Hyd. Tongue Pos., Hyd. Header Tilt
NH 268 Baler w/Ejector
NH 890 Forage Harvester w/5½ Pickup & 2 Row Wide
NH 717 w/Low Profile 1 Row Corn Head 5' Hay Pickup & Direct Cut Hay Head
NH 489 Mower Conditioner, Good Cond.

PLANTERS

AC 333 4 Row, Air Champ., Dry Fertilizer
AC 600 4 Row, Plate Planter, Dry Fertilizer, Fair Shape
AC 600 9 Row, Plate Planter, 9 Row Monitor, Liquid Tanks

SPREADERS

JD 680 Web Spreader, Tandem Axle, End Gate, Very Good
NI 214 Web Spreader, Single Axle, End Gate

COMBINES

JD 3300, Gas Combine w/10' Platform
JD 4425, 400 Hrs., Also Loaded With Features, Has A New Factory Warranty, Call Today!
JD 215, Flex Head, Black Reel
JD 244 Corn Heads

bobcat

- Sales
- Service
- Rentals

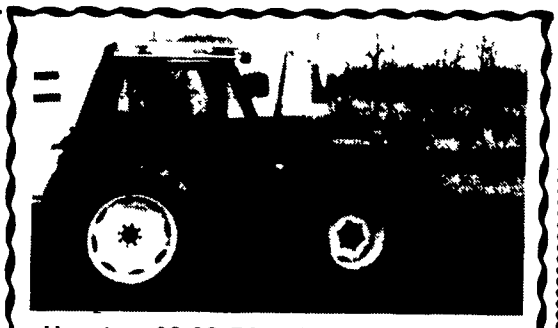
600 lb. to 3,000 lb. Capacity Loaders

Below Market Interest Rates

Preowned Equipment

CLARKLIFT SERVICES, INC.

Reading, PA
(215) 670-2950



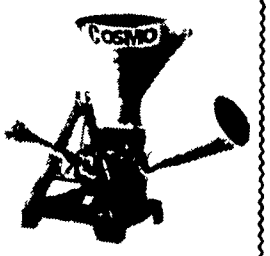
Hesston 60-90 Diesel, Cab, Air, 4 WD, Dual Hyd. w/L330 Quick Detach Loader. Round Balespear And 7 Ft. Scraper Blade Also Available With This Tractor. I Owned This Tractor From New. 1900 Hrs. Very Clean and Maintained....

$15,995.00

* Financing Available To Qualified Buyer *

TRAILER ENTERPRISES
(717) 597-5611

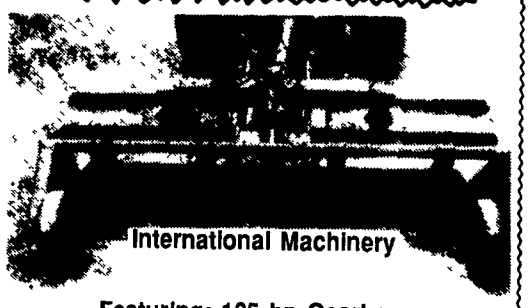
Reduced While Supplies Last



Chipper-Shredder
PTO-3 Pt. ~~$1,795~~
$1,395
Can be used for paper shredding

New 11' Pull Type Rotary Mower

Limited Time $2,995



Featuring: 125 hp Gearbox, Slip Clutch PTO, 2 Spindles
3 Pt. Model Also Available

Kutz Farm Equipment Inc.
Pine Grove, PA 17963
(717) 345-4882

DEUTZ ALLIS

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DEUTZ ALLIS

BRANCH

Rts. 309 & 100
New Tripoli, PA
(215) 767-7611
Mon.-Fri. 7:30 AM-5:00 PM
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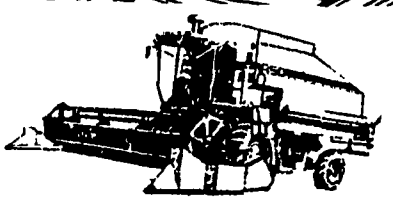

*** 3 LOCATIONS ***

Trumbauersville to Finland Rd.
Quakertown, PA
(215) 536-1935 or 536-7523
Mon.-Fri. 7:30 AM-5:00 PM
6:00 PM-9 PM
Sat. 7:30 AM-4:00 PM

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Lobachsville, Oley, PA
(215) 987-6221 or 987-6257
Mon.-Fri. 7:30 AM-5:00 PM
Sat. 7:30 AM-12:30 PM

NEW **Deutz-Allis Demo 6275 D 4WH DR Tractor, Save Up To $12,300**
Allis Chalmers 600 Air Champ Planter, 6R w/Monitor, Save Up To $5,200

TRACTORS

Case 500
AC 6080 D Low Hours
AC 7050 D w/Cab, Air, Heat, Excel.
AC 5040 D w/Low Hours
AC 190XT D w/cab
AC 160 D, Excellent
AC WD45
AC WD
Ford 4000 D
Ford 900
Ford 801
Ford 8N
Farmall M
MF 1150D w/Cab
MF 35
JD 4230 D, Excellent
JD 3010 D
JD 60
Case 1845 Skid Loader w/Kelly 30 Backhoe
Bobcat 743 Skid Steer Loader
NH 225 Skid Steer Loader, Good
IH 1066 D

COMBINES

ACL 2 Gleaner w/Cab, Air, 15' Grain & 630 CH, Excellent
(1978) AC Gleaner M2 D w/Cab Air, 13' Grain & 430 Corn Heads
AC Gleaner FKS D w/Cab, 13' Grain & 438 Corn Heads
AC Gleaner F2 D, w/13' Grain and 430 Corn Head
AC Gleaner E w/Cab, 10' Grain And 238 Corn Heads
JD 6600 D w/Cab & Air, 13' Grain & 630 Corn Heads
MF 750D w/Cab, Air/Heat & 630 Corn Head, 2100 Hrs EXCELLENT!
NH 975 Gas w/Cab & Both Heads
NI Uni-System 701 w/710 Power Unit, 10' Grain & 2-Row Wide Corn Heads
NI 2R Full Type Husker w/325 Husking Bed & 329 Sheller, Excellent!
NI 323 1-Row Picker, Excellent!
NI 324 2-Row Picker

MISC.

(2) Weaverline 330 Silage Cart
NH 350 Grinder/Mixer
NH 352 Grinder/Mixer, Excel!
NH 357 Grinder/Mixer, Excel!
Gehl Grinder/Mixer
Moridge 400 Grain Dryer, PTO, Elect

TILLAGE

AC 2000 6-Bottom Plow, On Land
IH Auto Reset 6 Bottom
Oliver 546 5B Automatic Reset Plow
JD 5B Spring Trip Plow
JD 4B Semi-Mount Plow
(2) MF 4B 3 Pt Plow
JD 1000 12' Disc w/Trans Harrow
JD 17 Disc Grain Drill
AC 600 Air Champ Planter 6-30" Rows
(2) AC 600 Air Champ Planters, 4-30" & 4-38" Rows
JD FBB15 Double Disk Grain Drill

MANURE SPREADERS

NH 675 w/Endgate, 300 BU
NH 518, 220 BU.
NI 214, Liq. Pan, 210 BU, A-1!
(3) NI 213, 177 BU.
IH 550 w/Endgate, 200 BU.

HAY TOOLS

Hesston 6600 Self-Propelled Haybine
JD 1209 Haybine
(2) NH 489 Haybine
NI 279 Cutditioner
(2) HESSTON 1014 Hay Conditioner
Case IH 8440 Round Baler, Like New
JD 346 Wire Baler
Case IH 8440 Round Baler, Like New
IH 2400 Round Baler
NH 276 Baler w/Kicker
JD 336 Baler w/Kicker
NH 310 Baler w/Kicker
NH 273 Baler w/Kicker
NH 275 Baler w/Kicker
NH 320 Baler w/Wire Tie
(2) Grimm Ground Driven Tedder
Vicon 165, 5½ ' Disk Mower, EXCEL!

FORAGE HARVESTERS

NH 1880 Hydrostatic Drive w/P.U. And 2 Row Corn Head
NI 767 Self-Propelled w/702 Power Unit And 238 Corn Head
NH 28 Forage Blower
Gehl 660 Forage Blower
AC 63 Forage Blower
NH 717 Harvester w/Pickup And Cornheads
JD 35 Harvester w/Pickup And Cornheads
770 1 Row Snapper Head For NH Choppers

Special Announcement Sale On Used Machinery!

Used Tractors, Combines And Implements Are Priced Below Auction Market. Can Save Thousands On C A S H Sale.

Also Low Finance Available And Free Delivery (Within 100 Miles).

NEW IDEA

"WE SERVICE WHAT WE SELL!"

"REAP THE SAVINGS"

Ford
FORD
NEW HOLLAND

Introducing the M-F 8450 and M-F 8460.

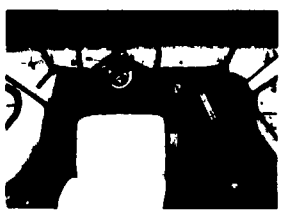
THE NEWEST NUMBERS IN COMBINING. FROM THE OLDEST NAME IN COMBINES.

The people who invented self-propelled combines now bring you two new high-capacity conventional combines that lead the field in performance features and peace-of mind

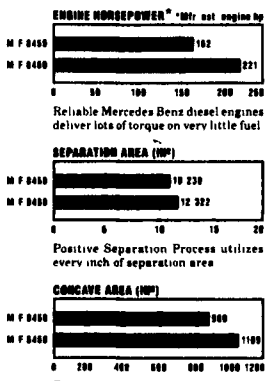
Look to a name you know and trust for the quality and features you need

- Hydrostatic drive simplifies operation
- Wide-view cab gives an unobstructed view of the cutterbar
- Electronic harvest monitor displays how every stage of the combine is performing
- Choose 6-row corn head, rigid or flexible bottom grain headers and a windrow pickup header
- Trained M-F dealer service people and the M F parts network

We can even arrange low-rate M-F financing, or a lease or rental plan to meet your needs See us soon to learn more about the best values around in M-F tractors, combines and implements



Spacious, center-mounted cab is dampened and insulated for less-than-80 dB sound levels



Reliable Mercedes Benz diesel engines deliver lots of torque on very little fuel

Positive Separation Process utilizes every inch of separation area

Torque sensing cylinder plus in cab mounted front and rear concave adjustments let you harvest faster and cleaner

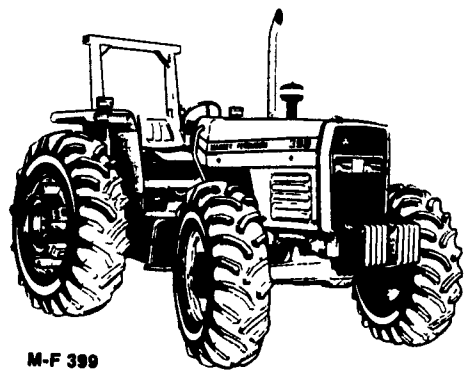
THE ONE TO SEE

SATISFIED CUSTOMERS

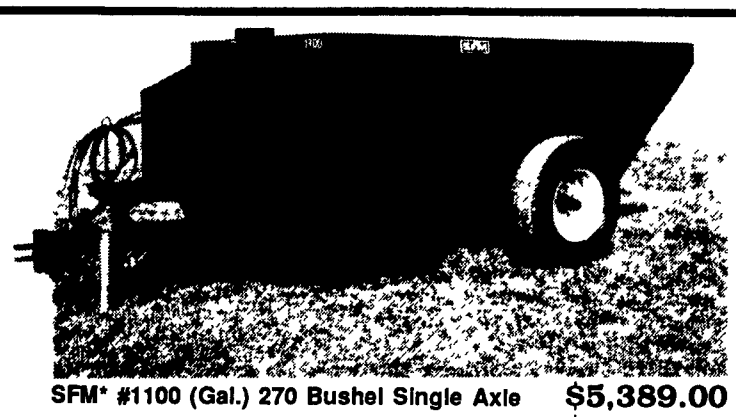
Donald Owens	Cranbury, NJ
G.W. Huntsberger	Elters, PA
Moslowski Bros.	Robbinsville, NJ
E.E. Shenk & Sons	Elizabethtown, PA
Schwartz Bros.	Perry Hall, Md.
Frank N. Weaver	Narvon, PA

MASSEY-FERGUSON

1989 Demonstrators End Of the Season Clearance



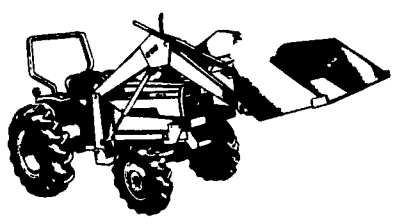
M-F 399



SFM* #1100 (Gal.) 270 Bushel Single Axle $5,389.00
SFM* #1700 (Gal.) 350 Bushel Tandem Axle $7,900.00
SFM* #2500 (Gal.) 525 Bushel Tandem Axle $10,900.00
***(Formerly Pequea)**

LUCKNOW MIXER WAGONS

Heaviest And Best TMR
#285 Cu. Ft. Lucknow With Electronic Scale
In Stock - Call For Demonstration



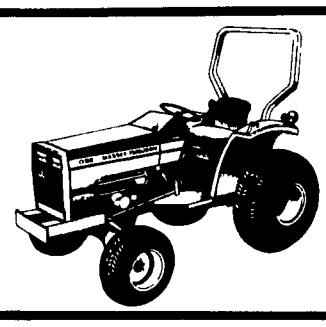
35 Compact Tractors Back From Lease Contracts

Low Hours - Low Prices

MASSEY-FERGUSON VARITY

THE ONE TO SEE

1030 - 2WD, 26 HP, Ag Tire $6,700
1030 - 4WD, 26 HP, AG Tire $8,000
1035 - 2WD, 31 HP, Ag Tires $7,600
1035 - 4WD, 31 HP, Ag Tires $8,900
1045 - 2WD, 35 HP, Ag Tires $8,650



NEW AND USED IMPLEMENTS

PLOWS & TILLAGE

MF 115 Coulter Chisel Plow $5,200
Landoll Field Cultivator $2,800
Sovema 3 pt. Rotary Tiller $1,075
MF 6 Row Cultivator $800
Noble 4 Row Cultivator $2,150
Unverferth Field Cultivator $2,300
Yetter 15' Rotary Hoe $2,625

HAY EQUIPMENT

Vicon RP1510 Demo Model $7,900
McKee Round Baler 4x5 ..... $3,500
J Bar 3 pt. 4 Wheel Rake $475
MF Forage Blower $1,900
Gehl 1710 Round Balers $5,500
Hesston 3700 Rake Tedder, 1 yr. old $2,200
Vicon KM 281 Discbine $5,500
NH 495 Haybine $2,900
NH 495 Haybine $1,900
Vicon CM 240 Disc Mower $1,500
NH 489 Haybine $3,500
NI Cutditioner $1,200
NI Cutditioner w/Engine Mount Steel Wheels $1,200

MISC. EQUIPMENT

Danuser 3 pt. Wood Spliter $780
Danuser 3 pt. Post Driver $1,200
Shaver 3 pt. Hyd. Post Driver $1,700
E.Z. Trail 8 Ton Running Gear $1,150
Tye No Till Grain Drill $7,500
New 14' Belt Elevator $1,175
Holland Plastic Mulcher $1,500

ROTARY CUTTERS, BLADES & LOADERS

Woods RM600 Rotary Cutter $1,550
Brady 840 Stalk Chopper, 84" $3,200
MF 220 5' Rotary Cutter $1,050
York 75 HP Rated 8' 3 pt. Blade $1,075
York 100 HP Rated 8' 3 pt. Blade $1,275
Dunham 22 Front End Loader $3,350
Dunham 30 Front End Loader $2,800
Myers Front Mtd. Snow Blade $1,400
Woods 306 Mid Mount Mower For A 1700 Ford Tractor

USED TRACTORS

MF 3545, 4WD, 126 HP $21,500
MF 1085 ..... $5,800
MF 1085 ..... $4,900
MF 265 ..... $4,700
MF 245 ..... $6,500
Case 1690 4WD $11,000
Case 1490 Power Shift $12,500
White 2-70 w/Cab
IH 674 ..... $3,500
IH 464 (New tires) $4,900
Farmall 460 Tricycle, Belt Pulley $2,500
Farmall 230 Tricycle, Cultivator $1,200
Ford Jubilee $2,750
Ford 8N $2,900
Ford 901 Tricycle $2,500
JD "L" Restored
JD 1010 Dsl. Crawler Loader $4,500
JD "B" w/Cultivators & Sickle Mower $1,000
M Moline "Jetstar" $1,700
M Moline "U" $600
* Skid Steer #1644 Loader, Demo Model $15,900
(*Formerly MF)

USED COMBINES

1984 MF 860 Hydro V8 ..... $23,500
1981 MF 860 Hydro V8 Four Wheel Drive $25,000
1977 MF 760 Hydro V8 ..... $16,000
MF 9118 Flex Head $6,000
MF 550 Combine w/MF 1143 Corn Head
MF 300 Dsl. w/3 Row 30" Cornhead
Just Arrived:
1986 MF 860 Hydro Combine w/9116 Floating Head & 1163 Corn Head

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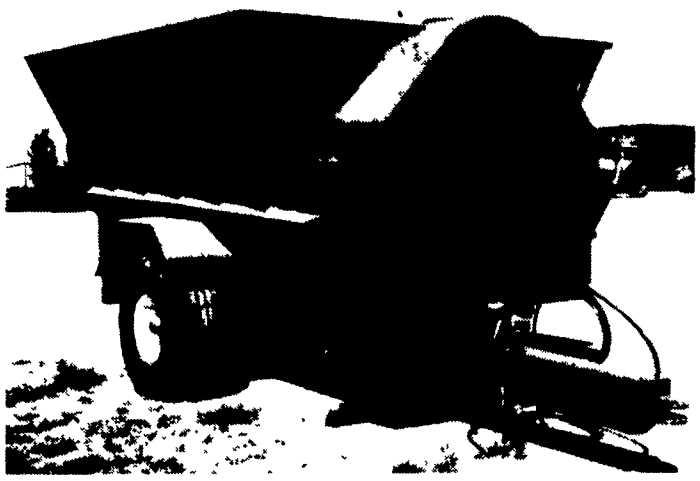
Leola, PA 17540 (717) 656-2321

Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

THE LUCKNOW MIXER WAGON



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Call your nearest dealer today.

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Ford Credit

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Sales - Parts - Service

New From Ford
4830 Low Profile
62 H.P. In Stock Now

FEATURES: 4 Cylinder Engine
4 WD
Low Profile Design
14.5 GPM Flo Hydraulics
Bigger Fuel Tank
Category I Or II 3 Pt. Hitch
New Deluxe Seat
New Hydrostatic Steering
850 C.C.A. Battery Standard

NH EQUIP.
NH 488 Haybine
NH 499 Haybine
NH 308 Side Distributor Spreader
NH 520 Manure Spreader
NH 680 Manure Spreader
NH 791 Manure Spreader
NH 565 Baler w/Thrower
NH 570 Baler w/Thrower
NH 630 Baler
NH 848 Baler
NH 144 Windrow Inverter
NH 254 Tedder Rake
NH 790 Chopper

NEW FORD TRACTORS
Ford 1520, 4WD
Ford 1720, 4WD
Ford 1920, 4WD
Ford 3930, 4WD w/Shuttle Trans.
Ford 7710, cab & air, 4WD
Ford 7810, cab & air, 4WD
Ford 8630, 2WD, Powershift
Ford 555C TLB w/Cab
Ford 555C TLB, 4WD w/Extend-a-hoe
Ford 555C, TLB, 4WD w/800 Hrs.
Versatile 276 w/Loader

Ford Lawn & Garden
LP10 w/38" Deck
LP12 w/38" Deck
YT18 w/48" Deck
LGT18H w/48" Deck
LGT14D w/48" Deck

Special Winter Clearance On Lawn & Garden Dump Carts
$150.00

Located: 1 Mile Off Exit 8, On 696, North To Orchard Rd.

Hours: 8:30-5:00 Monday Thru Friday, 8:30-12:00 Saturdays
We Accept VISA & MasterCard • WE SHIP PARTS UPS DAILY

Ford Credit

S.G. LEWIS & SON INC.— FOR ALL OF YOUR AGRICULTURAL, INDUSTRIAL & HOME NEEDS

NEW EQUIPMENT

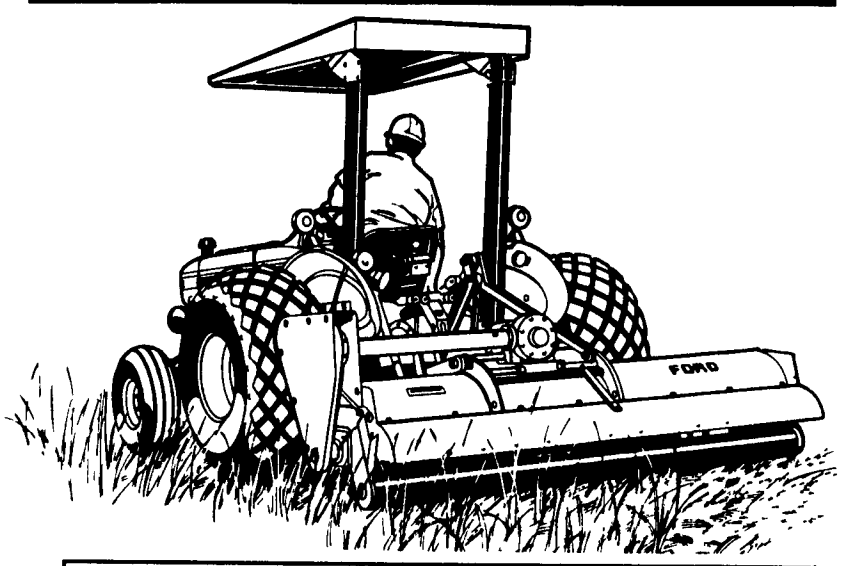
FORD TRACTORS
- 545C Tractor Loader
- 1320 Tractor, Gear or Hydro.
- 1720 Tractor
- 1920 Tractor w/Loader
- 3430 Tractor, Shuttle Trans., Loader
- 3930 Tractor, Cab, Shuttle
- 4630 Tractor, Shuttle Trans.
- 6610 Tractor w/or w/o Cab
- 7710 Tractor
- 3910 Tractor
- 9030 Bidirectional Tractor w/Loader
- 8730 Tractor, Cab, Dual Power

(Mowers, Loader & Backhoes Available To Fit Above Models)

NH EQUIPMENT
- 565 Baler w/72 Thrower
- 570 Baler
- 575 Baler
- 256 & 258 Rakes
- 488 Haybine
- 492 Haybine
- 411 Discbine
- 630 Round Baler
- 848 Round Baler
- 40 Blower
- 790 Harvester
- 213 Spreader
- 329 Spreader
- 514 Spreader, 177 Bushel
- 520 Spreader, 217 Bushel
- 680 Spreader, 287 Bushel
- 304 Slurry Spreader
- 305 Slurry Spreader, 1225 Gal.
- 791 Spreader
- 795 Spreader
- 716 Forage Box w/612 Wagon
- 132 Bale Elevator
- 2000 Square Baler

Help Wanted: Mechanics - Call For Details!

NOW IN STOCK - NEW FORD COMMERCIAL MOWERS



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(717) 656-4341 (Res.)
Bill Wiley - (215) 869-9440
(717) 786-3449 (Res.)

For Service: John Steele (215) 869-2214

For Parts: Penny or Jay (215) 869-2214

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USED EQUIPMENT
- AC 170 Tractor
- Case 580B Tractor Loader Backhoe
- IH Hydro 84 Tractor
- MF 2705 Tractor - Cream Puff
- MF 50 Tractor
- MF 245 Tractor w/Woods Mower
- Oliver 77 Tractor
- AC Tractor, Loader, Backhoe
- MF 11 Loader
- MF 410 Combine
- MF 510 Combine
- NH 474 Haybine
- NH 411 Discbine
- NH 463 Disc Mower
- NH 462 Disc Mower
- NH 442 Disc Mower
- NH 1900 4 Wheel Drive Forage Harvester
- NH 845 Round Baler
- NH 488 Haybine
- Kuhn Disc Mower
- IH 550 Spreader
- JD 350 4 Bottom Hyd. Reset Plow
- Sweepstar Broom for Skid Loader
- Howard Roto-vator
- MF 1017 Backhoe, 3 Pt.
- Ford F-350 Pickup, 4x4, w/ snowplow, 10,000 Miles

CHECK OUR PRICES BEFORE YOU BUY!!

COMBINES

Waiver of Interest Till Sept. 1, 1991

1986 JD 7720 w/4WD w/JD 218 flex cutter bar & JD 643 corn head
1983 JD 6620, 1,260 Hrs.
1979 JD 7720 w/Mud Hog drive, 216 flex cutter bar
1982 JD 8820 w/4WD, 1,965 hrs. w/222 flex cutter bar, JD 843 corn head
1982 JD 8820, 4WD w/224 flex cutter bar
1981 JD 8820 w/4WD, dual tires w/JD 220 flex cutterbar, 843 corn head
1981 JD 7720 w/218 Flex Cutter Bar
JD 444 Corn Head, Hi-Tin
JD 643 corn head

TRACTORS

1990 JD 2555, 97 hrs.
JD 2940 Fender Tractor
IH 2656 hydro w/new 2250 loader
1972 JD 4320
1989 Case IH 685 w/cab, front whl. drive; 700 hrs.
1983 JD 4450, cab, w/MFWD, power shift
1985 JD 4450, cab w/MFWD, quad range, 1,085 hrs., w/dual 18.4x38 tires

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1989 JD 6000 Hi-Cycle, 60 Ft. Boom
$24,950

JD 158 loader, 72" bucket
JD 1550 power till seeder
JD 1408 rotary cutter, like new
IH #60 flail mower, 14'
JD RG 4 row cultivator, (4 row wide)
JD 7000 6-30 planter, dry fert., insecticide monitor
JD 12 row soybean special planter
JD 27 Flail Shredder
JD 265 loader
AC 11 row planter
Dunham 14' Crowfoot Packer
Brillion 18' Gang Crowfoot Packer

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HEDLUND MARTIN: 1263 Scavenger manure spreader
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LONG: 560, 510 4WD Diesel.
MASSEY: 204 T/L gas, 165 w/loader.
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UNI: 702 diesel w/726 husking unit
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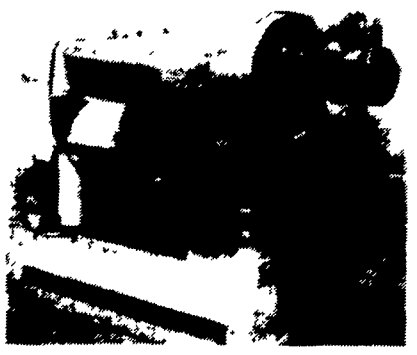

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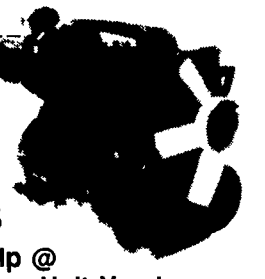

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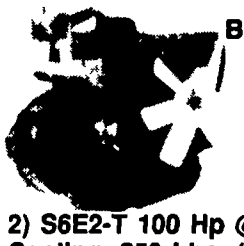

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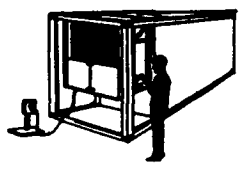

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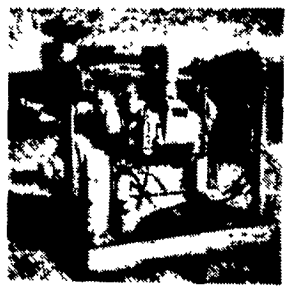

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JD 4430 Dsl., Cab, Air, Quad, High Back Seat, Triple Hydraulics
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1987 JD 4050 Dsl., 15 Spd., Power Shift, 4 Post Roll Guard, Very Nice
1982 JD 4240 Dsl., Cab & Air, Power Shift, 3000 Hrs., Very Nice
1982 JD 4040 Dsl., Cab, Air, Power Shift, Very Nice
1982 JD 4040 Dsl., Cab, Air, Quad, 1200 Hrs., Excel. Cond.
JD 2940 Dsl., MFD, 1400 Hrs., Excel. Cond.
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1982 2640 Dsl., Hi-Lo, Ind. PTO, Very Nice
JD 3020 Dsl. Side Console WF, Syncro Range
JD 950 Dsl., Roll Guard, 520 Hrs., Exc. Cond.
IH 5088 Cab & Air, 20x38 Rubber, Very Nice
IH 1086 Dsl., Cab, Air, 2500 Hrs., 20x38 Rubber, Very Nice
1975 IH 1066 Dsl. Fender Tractor, Dual Hyd. & PTO, Excel. Cond.
IH 986 Dsl., Cab & Air, 38" Rubber
1976 IH 766 Black Stripe w/Cab, 2900 Hrs., Exc. Cond.
IH 686 Dsl., WF, Dual Hyd., Very Nice
1975 IH 766 Dsl., 3PT, Dual Hyd., 38" Rubber
1979 AC 7000 Dsl., Cab & Air, Very Nice
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Ford 7000 Dsl., 2200 Hrs., Load Monitor, Very Nice
Ford 2000 Gas, Power Shift w/Indust. Loader, No. 3PT, 1500 Hrs., Very Nice

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(2) JD 1209, Late Model, Very Good
JD 530 Round Baler, Very Good
JD 430 Round Baler, Excel. Cond.
JD 347 Baler w/Ejector, Very Nice
JD 336 Baler w/30 Ejector
NH 1037 Bale Wagon, Tandem Axle, 105 Bale Cap.
NH 1033 Bale Wagon, 105 Bale, Tandem Axle, Very Good
NH 1012 Bale Wagons 56 Bale Capacity
NH 849 Round Baler, Excellent
NH 770 Harvester w/2R Cornhead, Very Good
NH 499 Hydro Swing, Hydro Tilt, Very Nice
NH 477 7'
NH 316 Baler w/70 Thrower
NH 326 Baler w/or Without Thrower
NH 846 Round Baler, Very Nice
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NH 75 Hyd. Bale Thrower
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AC Gleaner E w/Cab, 10' Grain Platform
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1984 JD 4420 Dsl., Cab, Air, 600 Hrs., 1 Owner, Exc. Cond.
1982 MF 550 Dsl., Cab, Air, Hydro, 23" Rubber
MF 13' Rigid & Flex Platform
IH 810 13' Grain Platform
JD 213, 215 & 216 Flex Head
IH 820 13' Flex Head
JD 13' & 15' Series 100 Rigid Grain Head

CORN HEADS

JD 244, 2RW
JD 443, 4RN
JD 444, 4RW
JD 444 Oil Bath
JD 643, 6RN
JD 643 Oil Bath
IH 843 4RN
IH 863, 6RN
AC 238 Corn Head
MF 1163 6RN

TILLAGE

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JD 340 12' Offset Disc, Like New
JD 310 12' Double Offset Disc
JD 220 Hyd. Fold 18' Disc
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IH 610 12' Offset Disc
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JD 7200 4R Cons., Dry Fert., Fully Equipped, Like New
JD 7000 6 Row No-Til Liq. Fert., Insect. & Monitor
JD 7000 6R 30 Cons. Liq. Fert., Frame Mtd. Coulters, Monitor & Markers SOLD
JD 7000 4R Conservation, Dry Fert., Insect. Monitor, No-Till Coulters
JD 7000 4R Liquid Fert., Insect. & Monitor, Very Nice

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JD 4320 Dsl., Roll Guard & Canopy, 2500 Orig. Hrs., Very Good
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NI 327 Husking Bed to Fit 2R Pull Type
NI 324 2RW 12 Roll Husking Bed, Very Nice
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PLOWS

IH 155 4 Base Roll-Over On-Land Hitch
IH 735 Spring Reset, 5 Base, Variable Width
IH 720 5x20 Spring Reset
IH 720 5x20 Spring Reset, Onland Hitch
IH 720 4x18 Spring Reset
IH 720 6x18 Spring Reset, Onland Hitch
IH 710 7x18 Spring Reset, Onland Hitch
IH 710 6x16 Spring Trip Onland Hitch
IH 710 5x18 Spring Reset
IH 710 5x18 Spring Reset, Onland Hitch Plow
IH 710 4x18 Spring Reset Plow
JD 4200 3 & 4 Base Roll-Over
JD 2800, Spring Reset, 6 Base, Variable Width
JD 2500 4x18 Spring Reset
JD 2500 5x18 Spring Reset
JD 2450 5x18 Onland Hitch
JD 1450 5x16 & 5x18

MISCELLANEOUS EQUIPMENT

JD RM 6R Cultivator, 3PT
JD RM 4R Cultivator, 3PT
JD 158 Loader
JD 146 Loader
18x38-18x34 Duals
JD Roll Guard w/Metal Enclosure For JD Utility Tractor
JD 145 Loader
IH #60 Stalk Shredder, Very Nice
IH #50 Stalk Shredder
IH 2350 Quick-Tach Loader
Year Round Cab Fits IH 766-1566, 666, 686
NH 354 Grinder Mixer, Very Good

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8 Ton Gear, 11Lx15 Tires
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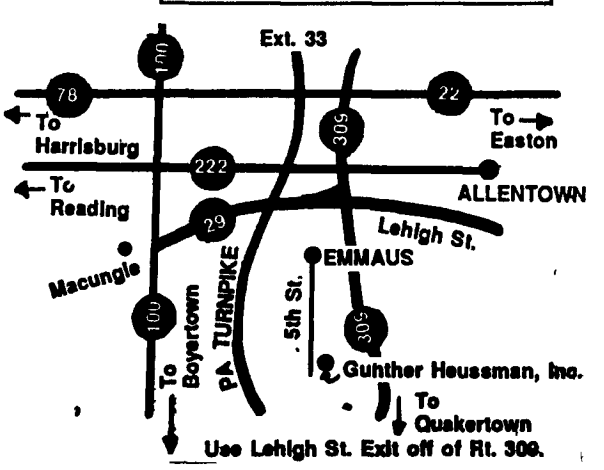

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JD 3020 70-HP Dsl. ..... $ 8,450

IHC 884 70-H.P. Dsl. Utility, T/A..... $10,500

JD 2755 75-HP Dsl., 16-Speed, MFWD, Cab..... $31,900

JD 4630 Quad ..... SOLD $23,500

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(2) JD 2955 85-HP, Cab

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JD Spring Harrow, 9-Ft. ..... $ 795

JD AW Disk Harrow, 12-Ft. ..... $ 950

Knowles Chisel Plow, 15-Ft. $1,250

Taylorway Chisel Plow, w/Coulters, 10-Ft..... $2,650

JD 1600 3B18 Plow..... $3,250

MF 233 Disk Harrow, 12-Ft. $3,450

JD F950 Roller Harrow, 12-Ft. $4,150

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OMC 596 Round Baler ..... $ 6,250

JD 348 Baler w/JD 40 Ejector..... $12,400

JD 337 Baler w/JD 30 Ejector..... $ 7,950

JD 346 Baler w/JD 30 Ejector..... $ 4,500

JD 1219 9-Ft. Mower-Conditioner ..... $ 6,350

NH 489 9-Ft. Haybine ..... $ 4,150

Hesston 1010 10-Ft. Mower Conditioner ..... SOLD $ 2,250

NH 479 9-Ft. Haybine ..... $ 2,150

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JD 3960 Harvester w/3R30, 7-Ft. $15,500

JD 3960 Harvester w/3R30, 7-Ft. $12,200

JD 3940 Harvester w/2R30, 5½ -Ft..... $11,500

JD 16A Flail Chopper..... $ 1,750

Gehl 940 Forage Wagon ..... $ 2,750

JD 216 Forage Wagon ..... $ 2,150

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0% Interest Til April 1, 1991

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NI 176, 41 Ft. Corn Elevator w/Drag..... $ 1,950

JD 8300 21x7 Grain Drill..... $ 4,500

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Krause 5200 13-Ft. No-Til Drill 21 Openers $10,500

COMBINES

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TRACTORS
JD 2640 w/Loader
JD 4030
JD 2240 w/loader
JD 755
IH 656 w/loader
IH 300
Kubota L3750 w/loader

COMBINES
(2) JD 215 Flex
(2) JD 216 Flex
JD 216 Rigid
13' Quicktach
JD 213 Rigid
(2) JD 444
JD 443

BALERS
JD 346 w/ejt.
(3) JD 336 w/ejt.
(2) JD 224 w/ejt.
JD 24T w/ejt.
JD 24T
JD 14T w/ejt.
NH 846 round baler
NH 273
NH 268

HARVESTERS
IH 650 w/2R & 5' pickup
JD 1R head
JD 3RN head

MISC.
8x18 bale throw wagon
Schuler 125 bunk feeder
Dual axle utility cart w/grain box
Calumet 2250 lq. spreader
Befco 6' flail, 3 pt.
FMC Orchard Sprayer

PLANTERS
JD 7000 6R w/dry fert.
JD 7000 6R w/lq. fert.
AC 500 4 row notill

TILLAGE
JD 925 10' Roller Harrow
JD BWA Disk, 14'
JD KBA Disk
JD 220 disk, 20'
Brady 12' Chisel Plow
JD 1600 4 btm.
JD F125 4 btm.
Massey Harris 1 Btm. Plow
IH chisel plow, 7 tooth
(2) IH 8' Disks

MOWERS
SMC 15' wing fold
5' NH 3 pt.

HAYBINES
(2) JD 1219
(2) JD 1209
(2) JD 1327 Discbine
Vicon Discbine 281
NH 479
NH 489

CHUCK WAGONS
(2) JD 125
(2) IH 51
(2) AC 14'

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No. 445 Conservation Chisel Plow

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FB 1540 Blower
FB 1560 Blower
FB 1580 Blower
MC 2170 Mower Cond.
CB 1060 Forage Harvester
MS 315 Spreader

BRILLION-
Deep-Til Implement
14 Ft. Spring Tooth Harrow
12 Ft. Pulverizer

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3618 Spreader
3622 Spreader
3626 Spreader
3632 Spreader
406 Hydraulic Rake
484 Round Baler
5209 Disc Mower Cond.
5407 Disc Mower

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NI 323 1-Row Cornpicker
NI 364 Spreader
NI 243 Spreader
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Oliver 1800 Gas
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Kuhn FA372 3 Pt. Hitch Sickle Bar
White 256 Disk Harrow
Int. 550 Manure Spreader

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1a CONSTRUCTION EQUIPMENT

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Backhoes, Loaders, Crawlers, Dozers, Etc.
Currently Available:

Backhoes: Cat 931; Case 580B w/extend-a-hoe; Case 480B; Case 480D; Case 580 Super E 4WD, cab & extend-a-hoe; Case 480C, Case 580 Super D w/cab and extend-a-hoe; Ford 555 w/cab.

Crawlers: JD 555 crawler loader backhoe; IH 100C; IH TD15 Dozer; IH 100E C/L/B; JD 350C, 6 way.

4 WD Loaders: Bobcat 743; Case 1845 C.

Miscellaneous: MF 2500 fork lift, 6000 lb.; Ford 3 pt. mower model 917; Woods C80 mowers; Ford 555 Special loader w/ cab; JD 301 w/sickle bar; Chevy flat bed w/32' 180° swing boom.

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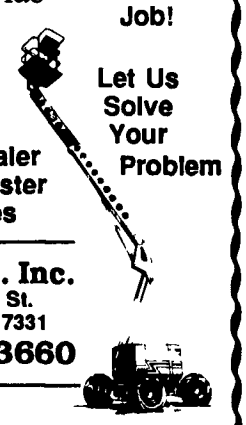

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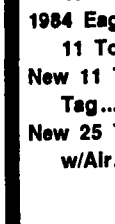

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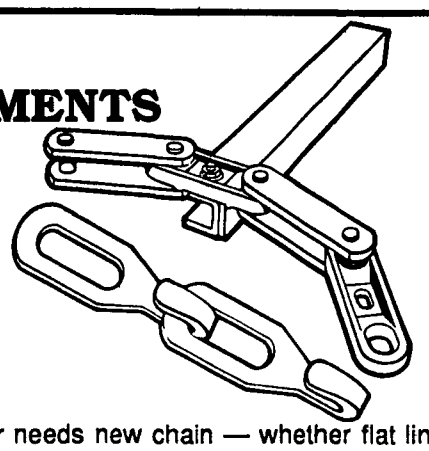

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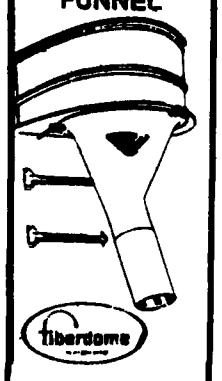

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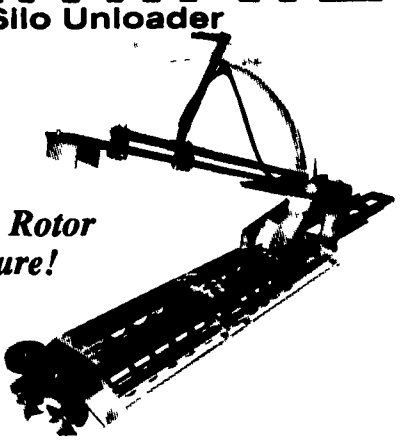

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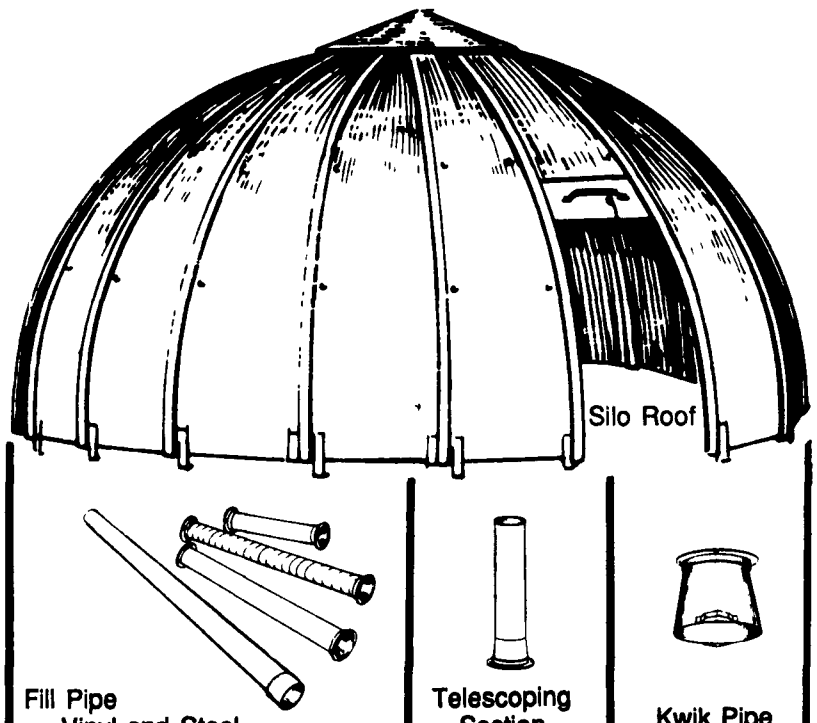

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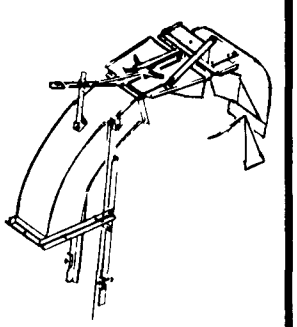

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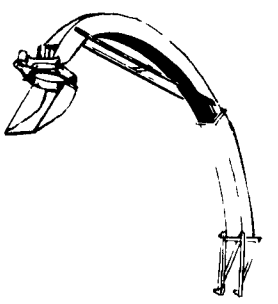

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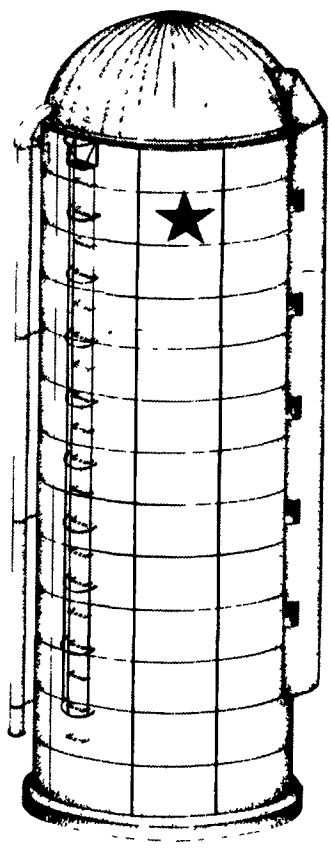

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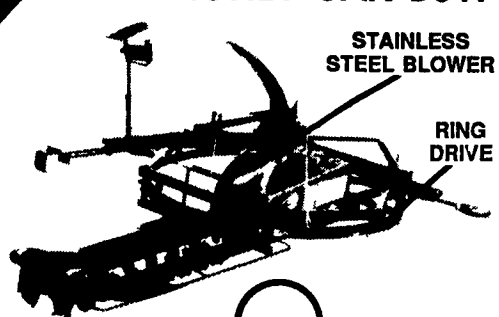

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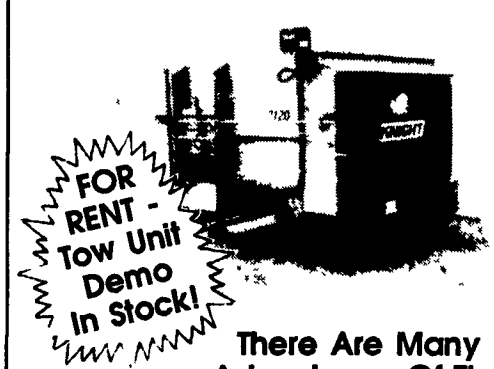

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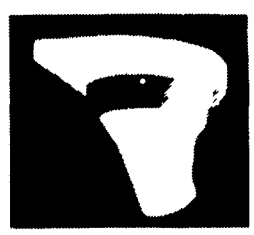

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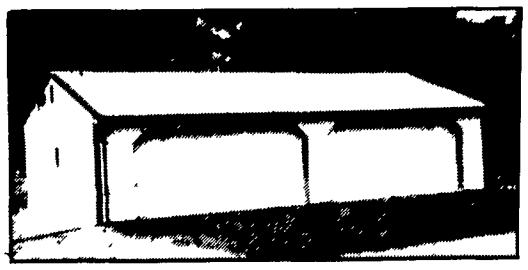

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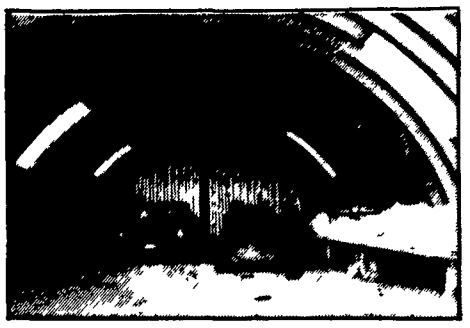

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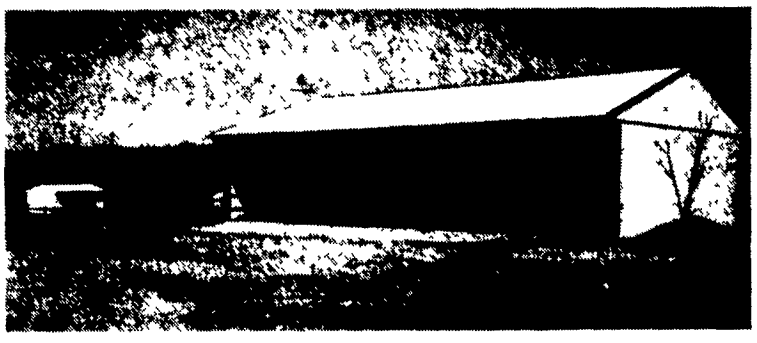

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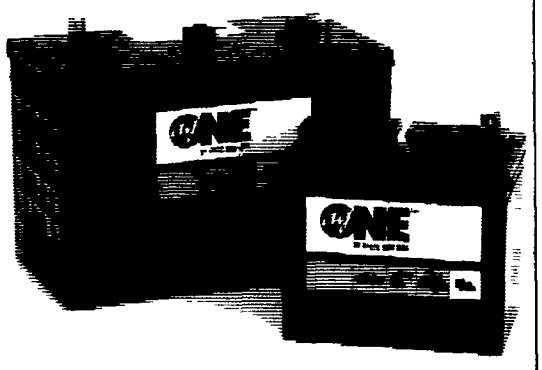

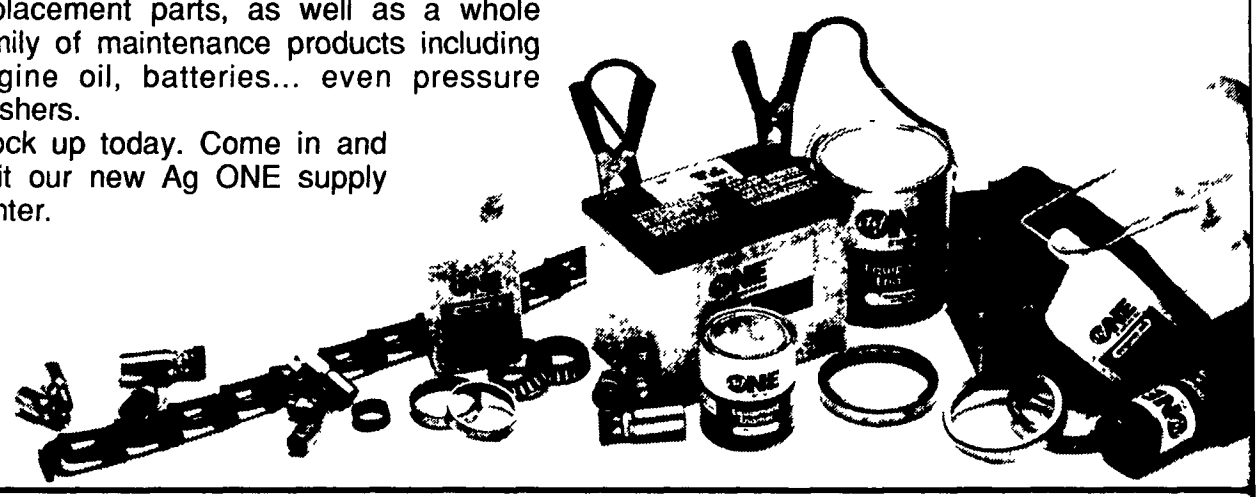

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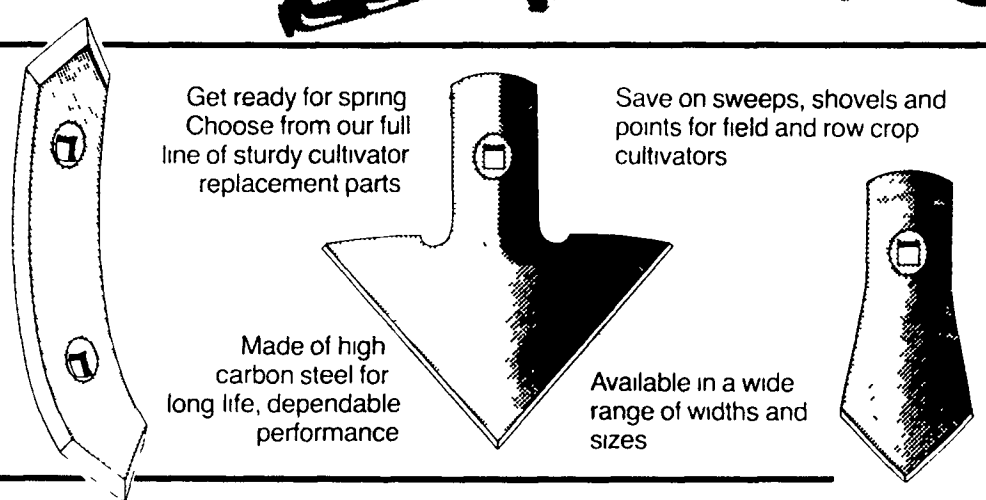

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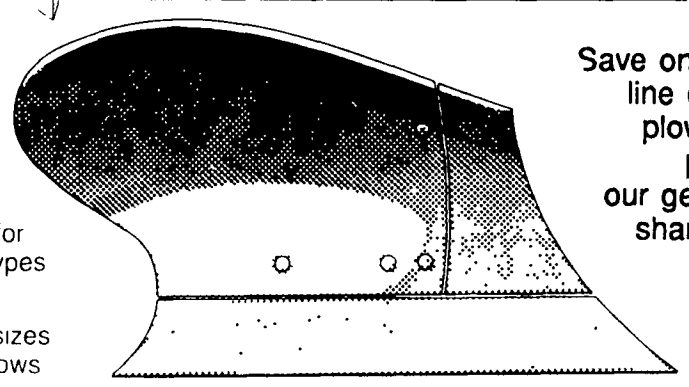

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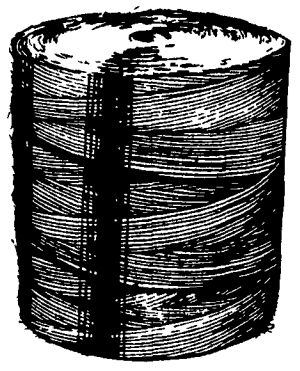

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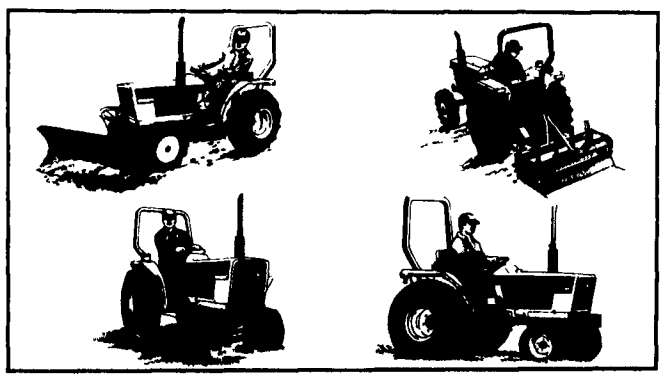

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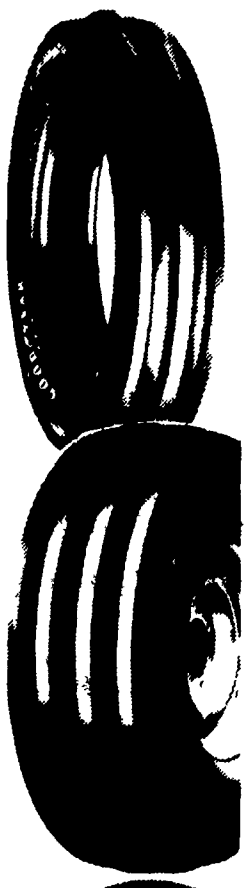

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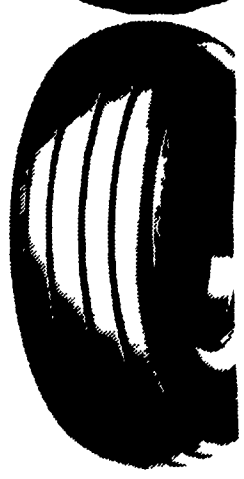

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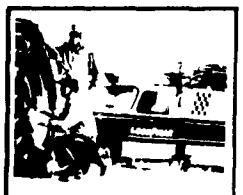

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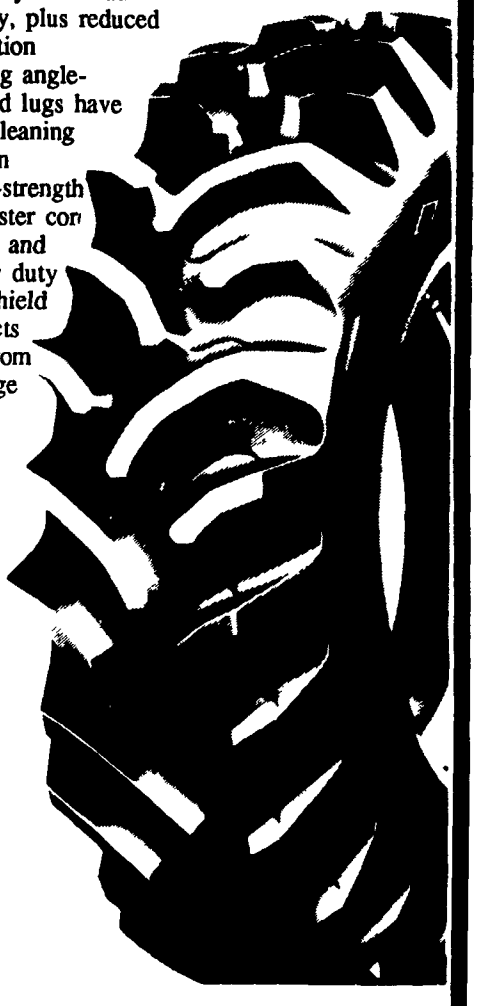

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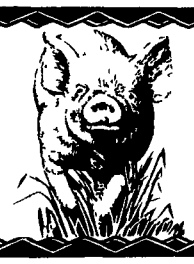
Swine Management News



BREEDING POTENTIAL IN NUMBERS, NOT LOOKS

DR. RICHARD BARCZEWSKI
Extension County Agricultural Agent
University of Delaware

This week I'll be traveling with Delaware's Livestock Judging Team to Louisville, KY, where we will participate in the National Livestock Judging Contest. While reading over the criteria for making official placings, I noted some interesting changes in the contest format.

In additin to placing classes on visually appraised characteristics alone, judges are asked to consider other criteria in making their decisions. These criteria include the use of estimated progeny differences (EPDs) and the ultimate use of the animals being judged.

For example, in a class of four Yorkshire gilts from which potential herd replacements will be selected, judges will decide based not only on what they look like, but also on the fact that the animals will be marketed as seed stock to terminal crossbreeding herds. EPDs for days-to-230-pounds, last rib fat, 21-day litter weight, number born alive, the dam's EPD for the sow productivity index and the birth date are among the many background facts provided for each entrant.

This data and intended use will provide judges with the information necessary to select animals that will best meet the goals of the herd. A primary reason for visual assessment is to eliminate individuals who exhibit unsoundness as breeding animals. When I first entered graduate school I was a diehard in believing that visual appraisal was the only way to judge. I guess I've gone through a metamorphosis.

Knowing the numbers that characterize the breeding potential of an animal and the impact on their offspring is far more important than attributes you can only see. I would much rather a hog producer purchase a boar or sow based on the numbers than on how they look. The best selection, however, will exhibit both. Visual appraisal can help the producer avoid serious structural problems, like feet and leg unsoundness, and physical characteristics, like poor underlines and infantile vulvas that are not considered in an EPD. But after animals with defects are eliminated, the numbers are the best indicators for selection. These offer a herd its greatest potential for improvement of traits most important to a specific breeding program.

I'm pleased that the National 4-H Livestock Judging Contest this year has included numbers as a part of the selection process. It is a realistic approach to the livestock industry in the 1990s.

Producers must also begin using the numbers in selecting herd replacements. Visual assessment alone is shortsighted; solid data will help in choosing more efficient, consumer-preferred, economical livestock.

Selecting animals that have the ability to produce offspring which are lower in back fat and have a faster days-to-230-pounds is more valuable in a terminal cross situation in which all of the offspring are slaughtered. Animals that have positive numbers for these traits have greater potential for quicker gains and leaner carcasses, two extremely important qualities to a terminal crossbreeding program.

"Looks can be deceiving" is an old saw, but it takes on new relevance when data is available for the selection process. The industry is not yet completely behind selection on the number system. Showring judges still base all their decisions on the way animals look and none on EPDs or other numerical data.

The livestock industry has come a long way in recent years in using technologies that enhance productivity and profit. While some producers may still rely on visual appraisal alone in making their selections, the producer who uses the numbers makes the real gains in performance and profit. Pretty pigs don't bring any more money at the packing house. Going by the numbers really benefits the producer.

Bay Program Is Alive And Well

WEST CHESTER (Chester Co.) — Chester County farmers in the Octoraro and Elk Creek watersheds are still working to save the bay. The Chester County Conservation District (CCCD) and the USDA Soil Conservation Service (SCS), working under a cooperative agreement, have been providing assistance to bay farmers since 1985 under the Pennsylvania Chesapeake Bay Program (CBP) and its Financial Assistance Funding Program.

The CBP was created to assist the recovery of the Chesapeake Bay by reducing the input of agricultural nutrients (in the forms of excess manure and fertilizers) and their accompanying sediment load into the tributaries of the Bay. Fifteen Best Management Practices (BMPs) have been adopted to reduce these inputs. They range from permanent vegetative cover, to terrace systems, to animal waste management systems. Cooperators in the program must maintain these practices for a period of ten years after their installation and implement a nutrient management plan developed with an approved nutrient management consultant. Any agricultural operation with animal waste or soil erosion problems is eligible for funding. Applications are rated and prioritized by the CCCD Directors according to the estimated benefit to the Chesapeake Bay.

The 21 farmers who have participated in the CBP in Chester County have received more than $380,000 since 1985 with nearly $90,000 paid this year to fund BMPs. Chester County BMPs are currently cost-sharable at a rate of up to 80% and a maximum cost-share to be received of $30,000.

Jim Saltsman, Chesapeake Bay resource conservationist for the CCCD, said he likes to take the common sense approach. "Most of these BMPs are really just common-sense measures to control water and the nutrients and sediment it carries," he said. The cost share allows the farmer to take advantage of them. We try to plan out a system with the farmer that will keep as much of the nutrient and sediment load on the farm as possible without making it impossible to farm." The goal: Farms that are, in the long term, more economical and productive to operate, while protecting the environment.

For more information, contact Jim Saltsman, Dan Greig or Lynn Sick at (215) 696-5126, (215) 436-9182 or (215) 696-0398.

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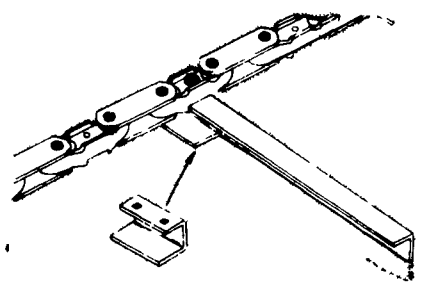

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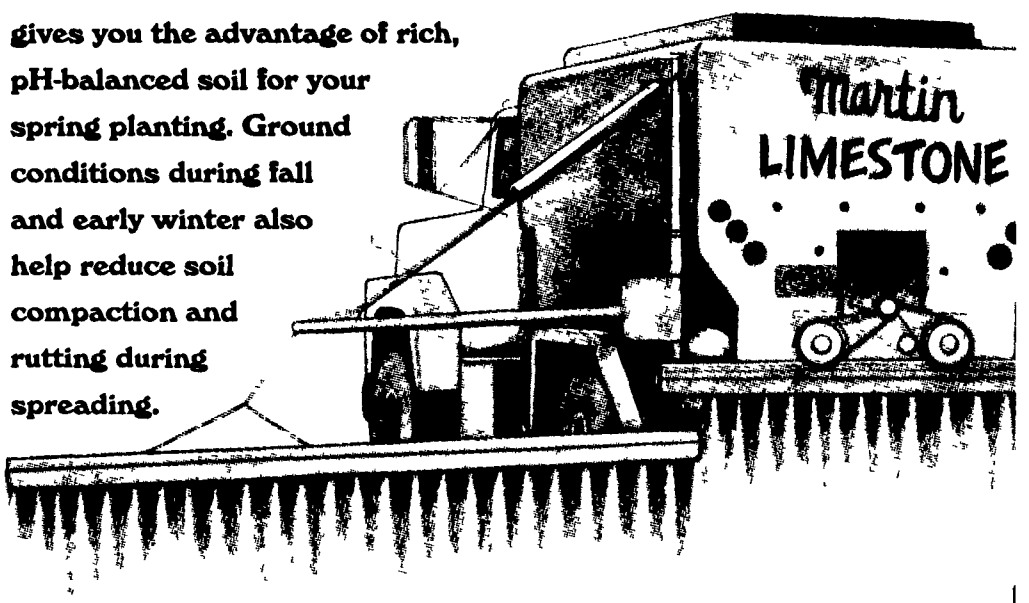

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Livestock Notes

Sow Performance: Sloped Pens vs. Farrowing Crates

Interest in sloped or "hill-side" pens has been growing. Pen dimensions of the hill-side pen are normally 6x7 feet with a creep area measuring about 18 inches x 7 feet. The area for the sow (which is sloped about 1 inch/foot) is 4½ x7 feet and allows for greater mobility in the pen.

Researchers at Texas Tech University recently published results from a comparison of flat and sloped ("hill-side") farrowing pens, and flat and sloped farrowing crates.

The results of the study showed that all housing systems were similar for sow feed intake, sow weight loss during lactation and number of stillborn pigs. The number of pigs born live was higher (about 1 pig) in sloped crates and sloped pens.

Crushing losses were high for sloped crates and flat pens. They were low but similar for flat crates and sloped pens. Survival rate was best for sloped pens and flat crates. Pig weaning weight was best for sloped pens and sloped crates.

Few differences in sow activity were observed. Sloped surfaces caused sows to lie on their bellies for greater periods of time. But the number of times the sows stood up, and the total amount of time standing was similar for all groups.

Based on this and other studies, the "hill-side" pen offers a viable alternative to the farrowing crate with no imparement in production. It may also diffuse some of the arguments of the animal rights movement.

All-In All-Out Improves Finishing Hog Performance

Many producers practice the all-in all-out concept in the farrowing house and nursery. Based on recent research at Purdue University we're learning that maintaining finishing pigs in separate groups improves health and weight gain in the grower-finisher barn as well.

Three studies were conducted to compare all-in all-out and continuous flow methods of handling growing finishing pigs. The first study showed hogs in the all-in all-out system had a faster growth rate (1.70 pound/day vs. 1.56 pound/day), they had fewer lungs affected with pneumonia (63 percent vs. 69 percent) as well as less lung area affected by pneumonia (2.8 percent vs. 6.2 percent).

The second trail demonstrated that the all-in all-out group of pigs took a total of 45 fewer days to reach market weight and had reduced variation in days to market weight. The third and fourth trials supported results in the first two, again showing reduced days for all-in all-out to reach market weight (30 days) and had fewer chronic lung problems.

These trials indicated that under conditions of both poor health and good health, the all-in all-out concept in the finishing barn allows pigs to grow faster and reach market weight with fewer chronic respiratory problems.

Hog and Pig Inventory

There were 970,000 hogs and pigs on Pennsylvania farms on September 1, 1990. This was 5 percent below last year's figure. The market hog inventory was down 6 percent at 863,000 head while the breeding herd inventory was up 20 percent at 107,000.

Pennsylvania hog producers indicated they intended to farrow 43,000 sows during the September-November period, a 2 percent increase above the same period last year. Their intentions for the December-February period were to farrow 42,000 sows, also 2 percent above last year's figure.

Across the nation, the inventory of all hogs and pigs was estimated at 56.3 million head on September 1, 2 percent below a year ago. The breeding hog inventory was only down slightly at 6.86 million head while the market hog numbers were down 3 percent at 49.4 million head.

Similar to Pennsylvania, the rest of the nation's hog farmers intend to increase their farrowings by 2 percent over the next six months. Those figures, coupled with good grain harvests will tend to be bullish on hog profits. The profit picture continues to look good into the early part of 1991, with prices probably staying in the low $50s. But, with so much uncertainty in the economy and the Middle East, predictions of any kind are risky.

Gestation Feeding Level Doesn't Affect Reproduction

Researchers at South Dakota State University fed large White x Landrace gilts either 4 or 6 pounds of feed during gestation. Gilts on the higher feeding level gained more weight during gestation, but lost more weight during lactation. Sows on the 4 pounds per day diet during gestation consumed 48 pounds more feed during lactation.

Feeding level during gestation had no effect on the number of pigs born alive, number weaned, litter weight at weaning or days to return to heat. Based on the conditions of this study, there is no advantage to feeding gilts more than 4 pounds of feed during gestation.

Feeder Pig Grades Do Not Predict Carcass Grades

A study at the University of Missouri indicates that the USDA Feeder Pig Grade Standards do not accurately predict USDA grades for market hogs. In the study, pigs weighing 60 pounds were split into two groups and were selected according to USDA standards for feeder pigs, or according to frame size (large, medium or small). Pigs were slaughtered at 220, 250 or 280 pounds. as the tables below show, neither system provided a good method for predicting USDA grades for market hogs.

Feeder pigs grading USDA #1 were leaner and had larger loin eye areas than those grading #2 or #3. When graded according to frame size, large framed pigs had less fat than the medium and small

(Turn to Page D4)

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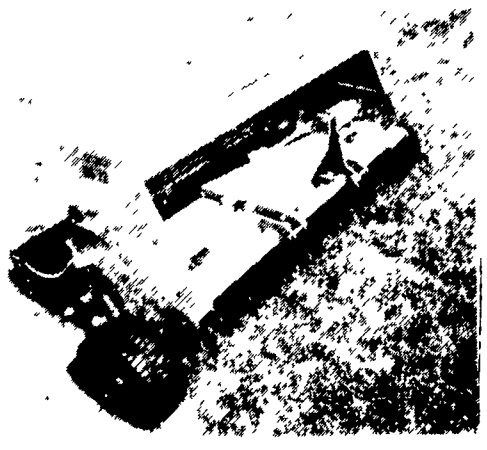

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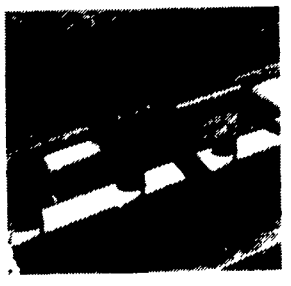

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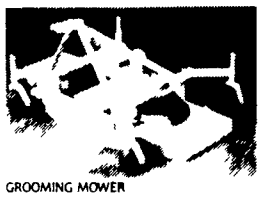
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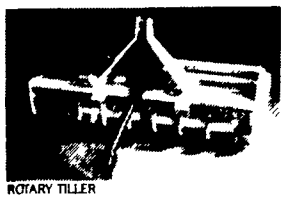
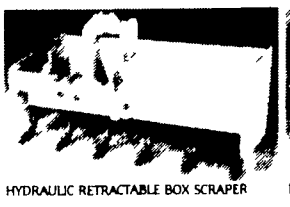

ROTARY TILLER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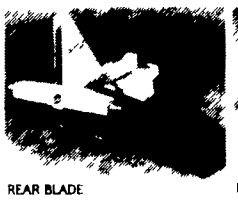
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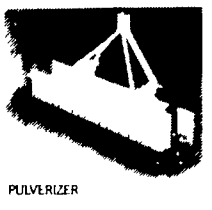
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Livestock Notes

(Continued from Page D3)

framed pigs. All carcasses had similar loin eyes, regardless of frame size. Neither classification system accurately predicted USDA carcass grade.

EEC Cuts Off Pork Imports

The European Economic Community has stopped all imports of pork from the United States. The reason? The EEC says our slaughtering facilities do not guarantee a safe and wholesome product.

Most people in the industry and in politics view this as a trade barrier and not a legitimate health concern. It is very similar to the action taken a few years back to stop all beef imports because we use growth promotants in our cattle. Scientific evidence shows no adverse effect on humans eating meat from cattle which had promotants. In the same vein, scientific research shows our slaughtering faciltiies are safe.

The Europeans heavily subsidize their farmers and try in every way possible to limit imports which would compete with domestically grown products. The international community has been very much opposed to any form of trade barriers so the Europeans have switched tactics and are now using baseless health concerns to limit imports.

You can expect a lot more of this from the EEC as well as other nations like Korea and Japan. You can also expect retaliation from the U.S. Negotiators are currently trying to hammer out trade agreements which would open the entire world to free trade. At this time agricultural trade barriers are the sticking point, and there doesn't appear to be any solution in sight.

Alfalfa Weed Sprays

Generally, herbicides available for your use on alfalfa fields this winter include Sencor (Lexone), Sinbar, Velpar, Poast, Gramoxone Extra, and Kerb. Chickweed, especially, is coming on like a gangbuster in some fields. You should be monitoring weed growth and development in your alfalfa fields about twice a month from now until spring! A few pointers on some of these herbicides:

• Sencor: Can be applied this fall, or in the spring before growth starts. If impregnated on dry fertilizer, it may be used on alfalfa-grass mixtures. A low rate (0.38 qt. of the 4L) is good on chickweed. Not recommended on very-shaly or very-sandy soils.

• Sinbar: 0.5 lbs. of the 80W is good on chickweed. This one also is risky on shale or sandy soils. A good choice where henbit, annual broadleafs, and grasses are present. Field must stay in alfalfa for 2 years after use.

• Gamoxone (paraquat): Safe on all types of soils, but it has no residual activity. Add a surfactant. Sometimes, during a mild winter, a Jan./Feb. application may be more-effective against chickweed than an earlier application. The weeds should be in active growth when it is used. If used soon this fall, a second application next spring may be necessary.

• Velpar: Slightly safer than Sencor or Sinbar on shale or sandy soils. Will kill or injure grasses. Best results if applied before the weeds exceed 2 inches in height. This one can also be applied in early spring. It has a 1-year restriction on rotating to corn.

Get and read a copy of the NEW "Agronomy Guide" for more details on these and other products.

USDA Feeder Pig Grades

	#1	#2	#3
USDA carcass grade	2.5	3.1	3.8
10th rib fat, in.	2.0	1.5	1.7
Loin eye area, in	4.9	4.3	3.9
Growth rate, lb/D	1.6	1.6	1.6
Frame Size			
	Large	Med.	Small
USDA carcass grade	2.5	3.0	4.0
10th rib fat, in.	1.2	1.5	1.5
Loin eye area, in.	4.7	4.7	4.4
Growth rate, lb/D	1.7	1.5	1.5

Pork Producers, Packers File For Sanctions

DES MOINES, Iowa— The National Pork Producers Council (NPPC) will file a petition calling for U.S. government to use its authority under Section 301 of the 1974 Trade Act to retaliate on the European Community's (EC) ban on U.S. pork. The American Meat Institute (AMI) is joining in the petition to the U.S. Trade Representative's Office.

"The U.S. pork industry has used great restraint so that the EC and U.S. negotiators could eliminate this artificial trade barrier through consultations with the U.S. Trade Representative's Office," said NPPC President Mike Wehler. "However, the EC has shown no willingness to use scientific standards as the guide for meat trade between our countries. Therefore, we are requesting formal action against the EC because U.S. pork producers refuse to stand by idly while the EC runs amok with unfair trade barriers against our product."

AMI President Patrick Boyle said, "The EC's ban of U.S. meat is a blatant trade barrier that has nothing to do with protecting consumers and everything to do with protecting subsidized European producers. This action totally violates the spirit of free trade and the EC's obligations under the GATT (General Agreement on Tariffs and Trade). It is critical that our government take every possible action to reverse this protectionist trade barrier."

The EC initiated its ban on U.S. pork products on November 1 after claiming that no U.S. meat processing or packing plants meet EC sanitation requirements. NPPC and other segments of the U.S. meat industry say the EC action is a cover for an artificial trade barrier and that food safety is not an issue. More than two-thirds of the meat consumed in the EC does not comply with the artificial barriers imposed on imports of U.S. meat. Use of Section 301 of the 1974 Trade Act would allow the United States to respond to the EC ban by placing restrictions on EC product entering the United States.

"Our petition is designed to get the EC to open its market -- not to close ours," Wehler said.

The EC has a history of creating barriers to block imports of U.S. meat. As a result, U.S. pork exports have steadily declined in the last five years. For example, the EC received 20 percent of the U.S. non-variety pork (meat from the muscle of the animal) exports in 1985. They have received less than 1 percent of such U.S. pork exports this year, and will receive none until the EC ban is lifted.

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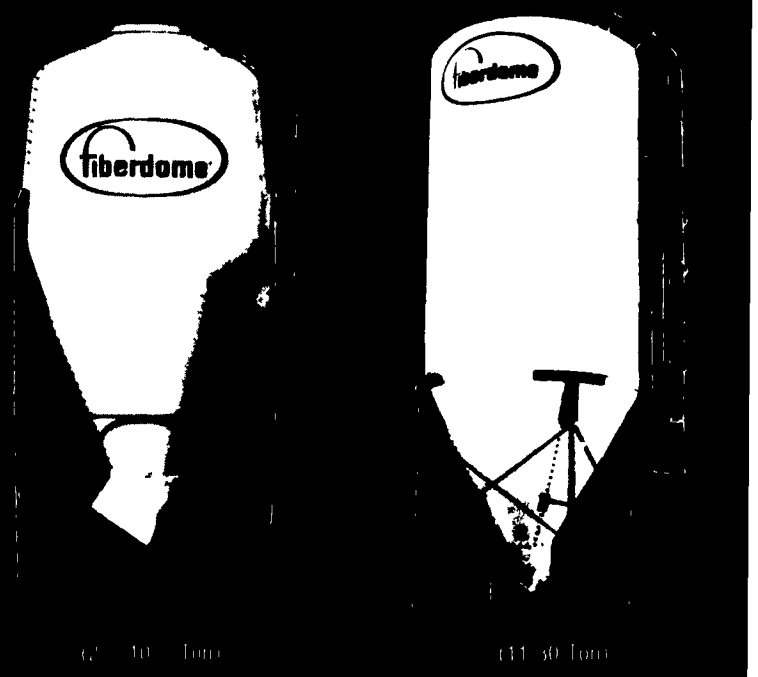

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EGGS NEED TO BE REFRIGERATED

John H. Schwartz
Multi-County
Poultry Agent

Recently, the Food and Drug Administration (FDA) has added eggs to the potentially hazardous food list. Eggs now join other animal produced foods, including milk, beef, and pork as potentially hazardous foods.

This is not necessarily a bad list to be on. Foods on this list requires refrigeration in order to reduce bacteria growth, and thus reduce the risk of people becoming ill after eating these foods.

All foods on this list must have an internal temperature of 45 degrees F before the food may be sold or prepared for the consumer. Pennsylvania Department of Agriculture has indicated they would begin enforcing this temperature requirement on January 1, 1991 for all eggs sold in Pennsylvania.

What does this mean for the egg producer? If the egg producer is selling directly to consumers, then he should sell the eggs under refrigeration and the eggs must have an internal temperature of 45 degrees F. Otherwise, the egg producer might be required by his egg marketer to reduce the temperature of his farm egg storage in order to reduce bacterial growth and assist the egg industry in meeting the 45 degrees F internal temperature.

Why do eggs need to be refrigerated? Eggs are a perishable food. Refrigeration helps to maintain quality while reducing bacterial growth. The recent increase in Salmonella enteritidis (SE) cases in humans involving eggs has made people aware of the importance of properly handling and cooking eggs.

Refrigeration is an important part of proper egg handling procedures. Recent study at the University of Minnesota demonstrates the importance of refrigeration. Eggs were inoculated with SE and incubated at different temperatures and lengths of storage. The results are the tests are shown in the following table.

Days of Storage	Approximate Number of Times One (1) SE organism Multiplied When Stored at:				
	40 F	50 F	60 F	70 F	80 F
10 Days	10	1,000	10,000	50,000	100,000
20 Days	40	10,000	50,000	1,000,000	1,000,000
30 Days	30	100,000	100,000	10,000,000	500,000,000

This research indicates that temperatures below 50 degrees F effectively reduced the bacterial multiplication during the holding period. We know the ideal temperature for SE bacteria to grow is between 60 degrees F and 120 degrees F. Under these conditions, the bacteria will multiply by dividing in two every twenty minutes.

The following table shows how fast bacteria may reproduce under ideal moisture, food, and temperature conditions.

Time	Number of Bacteria
0 minutes	1
20 minutes	2
40 minutes	4
1 hour	8
2 hours	64
3 hours	512
4 hours	4,096
6 hours	262,144
8 hours	16,077,216

There are several things egg producers can do to lower the farm cooler temperature. These include servicing the existing unit to make sure it is properly working, adding insulation to the cooler, reducing cooler size to actual egg storage needed, and adding additional cooling capacity.

Today farmers are producing food, not a commodity. As a result, farmers find themselves in a different business environment. The consumer is deciding the rules we must play by. Thus, farmers must take steps to ensure consumer confidence in their products.

Refrigeration is just one of several things egg producers will have to do to maintain their egg markets. The added cost will be small compared to lost consumer sales and liability lawsuits resulting from SE outbreaks.

6 Counties Targeted For Timber Project

HARRISBURG (Dauphin Co.) — Six western Pennsylvania counties have been targeted by the Pennsylvania Timber Marketing Project for development of a member-owned marketing cooperative.

The selection of Erie, Crawford, Venango, Mercer, Clarion, and Jefferson counties followed an analysis of the initial results of a survey conducted by the Pennsylvania Farmers Union (PFU) and the U.S. Department of Agriculture Agricultural Cooperative Service. This survey was sent to all PFU members statewide.

"Our initial results indicate a strong interest by producers in these six counties in developing a cooperative for production and marketing of high-quality timber," said Terry Pattison, chairman of the Timber Marketing Project. "The project steering committee will now be conducting a more extensive survey of woodlot owners in those six targeted counties," he said.

Initial survey results indicate a strong interest among producers in the areas of woodlot management, timber pricing, and marketing.

The Pennsylvania Timber Marketing Project was organized in March 1990 to explore the potential opportunities to increase the profitability to woodlot owners from the sale of their timber.

Pennsylvania has the largest hardwood resources in the United States with 15 million acres of commercial timber in the U.S. About 15 percent of Pennsylvania's private woodlands are owned by farmers.

Timber producers interested in more information about the Timber Marketing Project may call Linda Crouse at the toll-free hotline at (800) 932-4629.

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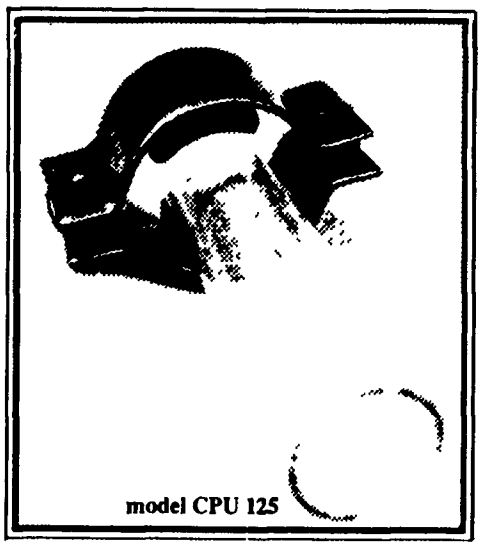

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Business News

Pa. Growers Claim Wheat Yield Awards

GREENSBORO, N.C. — A state winner and two finalists from Pennsylvania have been recognized in this year's National Wheat Yield Challenge.

Daryl Alger, Palmyra, won among the state's soft red winter wheat entries. He produced a 93.15-bushel yield, which is 43.18 bushels more than the average for Lebanon County. Second- and third-place winners in the state contest are Joseph S. Hilbish, Northumberland (38.69-bushels differential) and Stephen Hoffman, Bally (10.3 bushel).

The National Wheat Yield Challenge is sponsored by Ciba-Geigy, maker of Tilt fungicide, in conjunction with "Farm Journal Wheat Today" magazine and "The Wheat Grower," the official publication of the National Association of Wheat Growers (NAWG). Winners were determined based on the greatest difference between growers' harvested yields vs. the official five-year average yield of wheat grown in individual counties.

Contest fields included at least 10 continuous acres, while harvest entries were from three or more continuous acres. This is the first year a national wheat yield contest has been conducted.

More than 400 growers across the country qualified for state awards by winning county competitions.

Alger receives a trophy and is eligible for a national award. National first-place winners receive a trip for two to the NAWG annual meeting at Tarpon Springs, Fla., in January 1991. Second- and third-place national finalists receive cash awards.

National first-place winners who used Tilt for their entries also qualify for the "Tilt Bonus," an all-expense-paid trip to England to tour intensive management wheat plots. Alger used Tilt to produce his award-winning Yield Challenge entry.

Tilt is a popular wheat fungicide that controls major foliar diseases including rusts, blights, and Septoria. Foliar diseases can reduce crop yields by as much as 30 percent each year. In more than 700 test plots across the nation, Tilt has increased yields by an average of 17 percent, offering an average 2:1 return per acre.

Growers should contact their local agrichemical dealer for information on the 1991 National Wheat Yield Challenge program.

Kubota's Wheel Loader Features LST

COMPTON, Calif. — Kubota Tractor Corporation recently added the rugged R510 to its growing line of articulated wheel loaders.

The R510 is powered by a 4-cylinder, liquid-cooled, 50-horsepower diesel engine, which can be applied to industrial uses, landscaping, plumbing, ranching, farming, and nursery needs.

The new R510 features load sensing transmission (LST), which automatically changes from high speed, low torque to low speed, high torque as load conditions increase, eliminating operator guesswork.

The new wheel loader provides 40 degrees fully articulated steering and 4-wheel drive. Quick and smooth direction change without clutching or braking is possible with the R510's electric shuttle shifting.

Operating weight with two post ROPS/FOPS for the R510 is 8,585 pounds, with hydraulic lifting capacity of 4,310 pounds. The hydraulic quick coupler allows the operator to connect and disconnect attachments quickly and easily without leaving the operator seat. General purpose, light material and multi-purpose buckets, as well as pallet forks, are optional attachments.

The new R510 articulated wheel loader is available through authorized Kubota dealers. For more information about these or other Kubota products, contact Kubota Tractor Corporation, 550 W. Artesia Boulevard, Compton, CA 90220.

Powered by a 4-cylinder, liquid-cooled 50 horsepower diesel engine, Kubota's new R510 wheel loader is ideal for the demanding tasks associated with industrial, landscape, ranch, farm, nursery, and plumbing uses.

Local Grower Attends Fertilizer Seminar

MILAN, Ohio — Melvin M. Martin, Lititz, Pa., attended an annual research and sales development seminar conducted by Growers Fertilizer Solutions.

On December 4 and 5, Martin joined more than 110 agribusiness people from the United States and Canada for the two-day event, held in Milan.

Growers Fertilizer Solutions, a completely biodegradable product, was developed by Dr. V.A. Tiedjens, former director of the Virginia Truck Experimental Station at Norfolk, Va.

Tiedjens spent more than 30 years in fundamental research before perfecting the growers nutrition formula. He is a leading experimenter with hydroponic growth (plants which grow in a water-based solution, rather than soil) and is the author of the "More Food From Soil Science," a discussion of growth requirements for plants and the damage which can be done to soils through the excessive use of granular fertilizers.

Growers Fertilizer Solutions, now with 36 years of commercial on-farm use, is a leading developer of foliage fertilizers and has pioneered the direct-to-the-seed application for field crops.

Growers users experience consistently outstanding yield vs. cost results and are known for producing crops of the highest quality (such as corn with 58-60 pound test weights augmenting protein levels of 9 to 13 percent) according to the company.

Hay raised with the Growers Program often reaches the 23 to 26 percent protein levels. Higher quality crops translates directly into lower feed costs and healthier animals.

Martin, by attending this seminar, updated his knowledge of Growers products and the firm's research procedures and results. He also heard from representatives in other areas about their customers' profitable experiences and results from a variety of farms with varying soil and climatic conditions.

Keystone Farm Credit Promotes Butz

SHOEMAKERSVILLE (Berks Co.) — Ricky Butz of the Fogelsville branch of Keystone Farm Credit, ACA was recently promoted to executive loan officer. The announcement was made by Dave Smith, Fogelsville branch manager.

Ricky Butz

Butz, a native of Mertztown, Lehigh County, was graduated from Emmaus High School and Penn State University, where he earned a B.S. in agricultural mechanization in 1983. While at Penn State, he was treasurer of the Agricultural Mechanization Club and formed an ag club on the Allentown Campus. During high school and college, Butz worked on his neighbor's crop and potato farm.

Upon graduation, Butz joined the Farm Credit Bank of Baltimore's field representative program. After four months of field representative training, he worked, for a time, in the southeast association before transferring to the Fogelsville branch. He was promoted to loan officer in the spring of 1985 and to senior loan officer in 1988.

Snyder Becomes Penn-Jersey Dealer President

HARRISBURG (Dauphin Co.) — Penn-Jersey Farm & Power Equipment Dealers' Association is happy to announce its president for 1990-1991.

Donald B. Snyder, owner and president of Snyder's Inc., of Watsontown, Pennsylvania, was recently elected president of the Penn-Jersey Farm & Power Equipment Dealers' Association at their annual management conference held at Seven Springs Resort, Champion, Pennsylvania.

Snyder's Inc., was started in 1948 by Don's father, Web Snyder. Don has been involved in the business from that time on.

They started with Gehl Company in 1948 and added Massey-Harris (Massey-Ferguson) line in 1950. Garden Way was added in 1974 and Bolens Corporation in 1978.

Don has served on the Penn-Jersey Board of Directors for nine years with numerous committee chairmanships. He is chairman of the Muncy Creek Township Zoning Hearing Board, was chairman of the Muncy Creek Township Supervisors, and a past member of the Jaycee's and Rotary Club.

Don's wife, Sherry, is vice president in the business. They have one son, Keith, and two grandchildren, Christopher, 18, and Becky, 9. Keith and his wife, Debbie, are in the family business with them.

Don lives in Muncy, Pennsylvania, with his wife, Sherry. Don's father was president of the association in 1981. Don will serve as president until the next convention in November, 1991, at Mount Laurel Resort Hotel.

Penn State Offers Wood Marketing Workshops

UNIVERSITY PARK (Centre Co.) — Penn State Cooperative Extension is co-sponsoring marketing workshops for the wood products industry.

The workshops, entitled "Street Smart Marketing: Practical Tools for Surviving Down Markets," are two-day events designed to convey market assessment, customer identification, and sales management techniques that will help wood product firms maintain and expand sales and profits in down markets. The workshops will be discussion-oriented and hands-on.

The workshops will be held at two locations and times. The first will be held January 23-24, 1991 in Lewisburg at the Brynwood Inn, (717) 524-2121. The second will be held February 6-7, 1991, in Brookville at the Days Inn, (717) 849-8001. There is a $75 registration fee. The fee covers a notebook of course materials, coffee breaks for both days, and two luncheons. Registration is limited to 30 participants.

For information on registration, contact the short course office at (814) 865-8301. For information on workshop content, contact John Bodenman, (814) 863-0401.

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Lake View Exhibits Chianina Champ

PLATTE CITY, Mo. — Chianina entry numbers were up and anticipation and excitement were in the air as 255 animals checked in to compete in the ACA National Show. The show was held November 14 and 15 during the North American International Livestock Exposition (NAILE) in Louisville, KY.

The show was judged by Knic Overpeck, Clinton, ID. Cattle competed in three divisions: white, high percentage, and low percentage. White division entries were full-blood and purebred Chianina, while high percentage cattle were required to be at least five-eighths Chianina. Low percentage cattle had to be at least one-quarter Chianina, but less than five-eighths.

Lake View Farms, East Berlin, Pa., exhibited the division I champion in the white high percentage female show. LVF Becca 1Z I is a March 90 daughter of LVF Pieto I, out of Lauxmont Fantasia J306 I. A total of 18 females were shown in the white division.

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Demand-Building Beef Checkoff Under Review

HARRISBURG (Dauphin Co.) — A review of demand-building beef and veal checkoff programs will highlight the annual meeting of the Pennsylvania Beef Council, to be held Wednesday, Jan. 9, at the Harrisburg Sheraton East Hotel.

The annual meeting will begin at 6:30 p.m. and will feature a progress report on the beef and veal industry's efforts to recapture lost consumer market share. The report will be presented by Monte Reese, chief executive officer (CEO) of the Cattlemen's Beef Promotion and Research Board.

As CEO, Reese is responsible for planning, organizing, and controlling the activities of the beef board and its staff, consistent with policy and direction set by the producer board of directors. He serves as a spokesperson for the beef board and the checkoff program and maintains personal contact and regular communications with key companies, executive and government officials, and both state and national industry groups and associations.

In addition to Reese's comments, the meeting will also include a review of state activities conducted by the Pennsylvania Beef Council the past year, and an outline of future program direction.

The reception and banquet are open to the public. Banquet reservations are required and are available by contacting the Pennsylvania Beef Council's office at (717) 545-6000.

Clinic Examines Corn Production Equipment

UNIVERSITY PARK (Centre Co.) — Although most corn producers have just recently completed their 1990 crop harvest, plans are being considered for the next crop. To assist with their production program, the Dauphin and Schuylkill County extension offices have planned a corn production equipment clinic.

The clinic will feature discussion on corn planter adjustment and maintenance techniques presented by Lynn Hoffman, farm manager at Penn State University. In addition, a presentation will cover crop sprayer design, and adjustment and calibration techniques. Attendants will qualify for pesticide update training credit.

The program will be held at the Hegins Fire Company in Hegins on Friday, December 21, from 9:30 a.m. until 2:30 p.m. Advance registration is required. Cost is $6 for lunch and educational materials.

To register, contact the Dauphin County Cooperative Extension Office at (717) 921-8803 or the Schuylkill County Cooperative Extension Office at (717) 385-3431.

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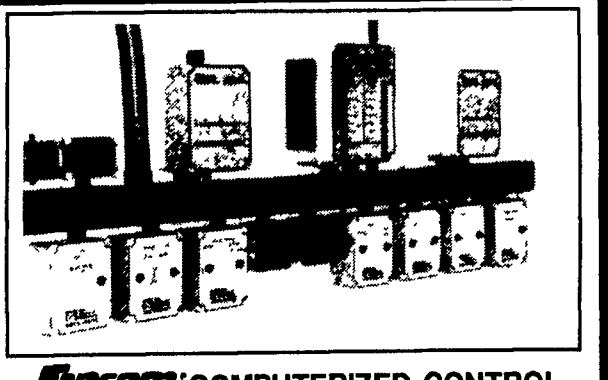

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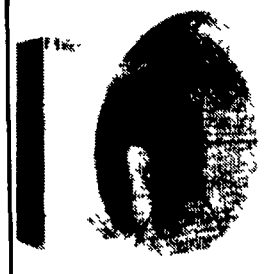

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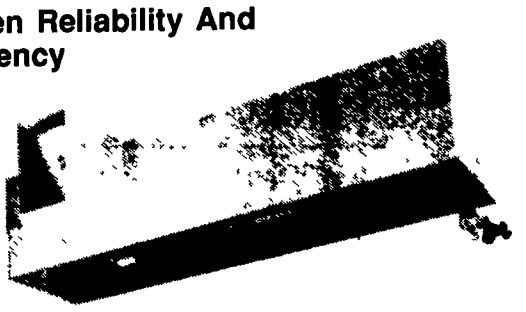

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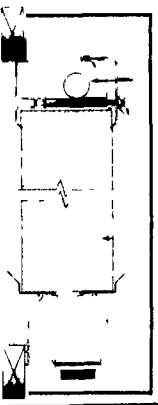

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Beef Board Approves Marketing Study

CHICAGO, Ill. — As the first year of the decade winds to a close, beef marketers across the country realize that the marketing environment of the 1990s has the potential to be more arduous than that of the 1980s. New and complex issues are developing, the economy is changing, and beef's competition in the meat case is making gains.

To protect and enhance beef demand, the Beef Promotion Operating Committee of the Beef Board recently approved funding for a study that will analyze ongoing marketing programs, and define the most optimal and cost-effective programs to safeguard consumer demand for beef during the remainder of the decade.

The study will be administered by the Beef Industry Council of the National Live Stock and Meat Board with participation by the National Cattlemen's Foundation. Booz-Allen, Hamilton, Inc., a strategic marketing organization, will carry out the investigation.

Chuck Jones, Wyoming beef director and chairman of the Meat Board beef market research subcommittee, says the strategic marketing analysis of beef industry programs will help determine the importance of the demand "drivers" for beef.

"Once we determine what can motivate demand, then we can define the optimal markets for enhancing ultimate consumer demand, and then define the optimal targets for our industry's marketing efforts," Jones said.

By evaluating existing beef programs, the study will be able to specify the prime delivery system for marketing messages, outline product positioning within each target market, and delineate appropriate allocation of dollar and human resources to implement the marketing strategies.

"This study will go a long way toward providing the strategic and tactical marketing foundation that we need to make best use of checkoff dollars in the coming decade," Jones said. "If we are to protect and enhance beef demand in the '90s, we not only need to know where we've been, but the best road to take us to where we are going."

Corn, Soy Conference Set

NEWARK, Del. — The theme of the 1991 Delmarva Corn and Soybean Technology Conference is Future Opportunities in Corn and Soybeans. The conference will be held Wednesday, February 13, at the Wicomico Youth and Civic Center in Salisbury, Md., from 8:30 a.m. until 3 p.m.

According to Derby Walker, University of Delaware Cooperative Extension agent and chair of the planning committee, the conference will provide information on pesticide regulation, corn production, uses for corn, nematodes, soil testing and high-yield wheat.

"We've gathered a group of experts from the private and public sectors who can give quality information to Delmarva producers," Walker says.

In addition to lots of practical information, the conference will feature Wayne Humphreys, Iowa farmer and humorist, as the kick-off speaker.

A trade show and machinery exhibit will allow conference attendees a firsthand look at many of the new products used in corn and soybean production.

Entrance to the conference is free. Lunch will be available only to those who have purchased lunch tickets. The tickets, at $3 per person, are available at all county Extension offices in Delaware, Maryland and Virginia. They must be purchased by February 6.

The conference is sponsored by Delmarva's agribusiness industries and the Cooperative Extension Systems of Delaware, Maryland and Virginia.

Bucks Co. Awards Clover Recognition

DOYLESTOWN (Bucks Co.)— The Bucks County DHIA/Holstein Club's annual banquet was held November 16 at Kellers Church in Bedminster. DHIA Production awards presented were:

- Most improved herd- Delaware Valley College, Doylestown, 19 percent increase.
- Low somatic cell count- Paul Wisser, Coopersburg, 138,000.
- High producing cow milk- Pat, owned by R. Galen Leatherman, Ottsville, 33,751 pounds.
- High producing cow fat- Coconut, owned by David W. Wurster, Ottsville, 1117 pounds.
- Lifetime production milk- Jasmine, owned by Moyer's Village Farm, Dublin, 220,000 pounds.
- Lifetime production fat- Jasmine, owned by Moyer's Village Farm, Dublin, 7,665 pounds.

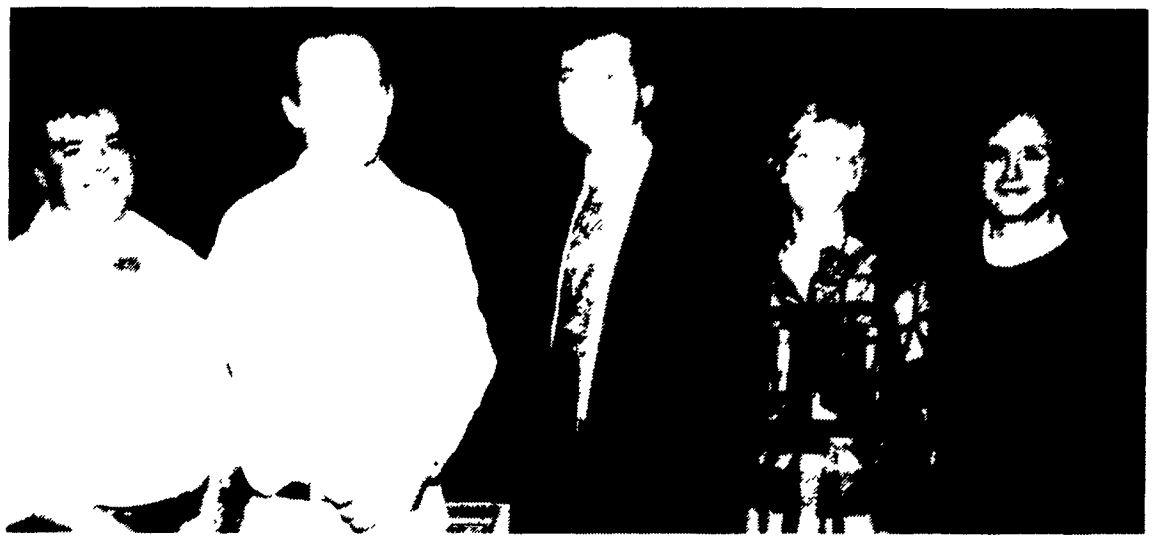
Other recognition went to:

Top 5 Protein Herds: 1. R. Galen Leatherman, Ottsville- 708 pounds; 2. Joe & Linda Ford, Kintersville- 705 pounds; 3. Robert & Donald Crouse, Riegelsville- 655 pounds; 4. David & Sharon Bishop, Doylestown- 647 pounds; 5. Delaware Valley College, Doylestown 631 pounds; (tie) Jim Pavlica; (tie) Crooked Acres Dairy.

Top 5 Fat Herds: 1. Delaware Valley College, Doylestown- 745 pounds; 2. R. Galen Leatherman, Ottsville- 740 pounds; 3. David & Sharon Bishop, Doylestown- 736 pounds; 4. David W. Wurster, Ottsville- 723 pounds; 5. Moyer's Village Farm, Dublin- 714 pounds.

Top 5 Milk Herds: R. Galen Leatherman, Ottsville- 23,143 pounds; 2. Joe & Linda Ford, Kintersville- 21,838 pounds; 3. David & Sharon Bishop, Doylestown- 20,530 pounds; 4. Delaware Valley College, Doylestown- 20,002 pounds; 5. David W. Wurster, Ottsville- 19,821 pounds.

The Holstein Club also gave out several awards. Harold and Tom Haldeman were recognized as premier breeder and premier exhibitor at the 1990 Bucks County Holstein Show. Andrew Crooke of Buckingham received a Holstein Club jacket for having the top junior 4-H project in 1990.



Production award winners at the recent Bucks County DHIA/Holstein Club annual banquet were, left to right, R. Galen Leatherman, Ottsville, first in milk and protein, second in fat production; Joe Ford, Kintnersville, second in protein and milk; David Bishop, Doylestown, third in milk and fat and fourth in protein; Sue Brown of Delaware Valley College, Doylestown, first in fat, fourth in milk and fifth in protein; and David Wurster, Ottsville, fourth in fat and fifth in milk.

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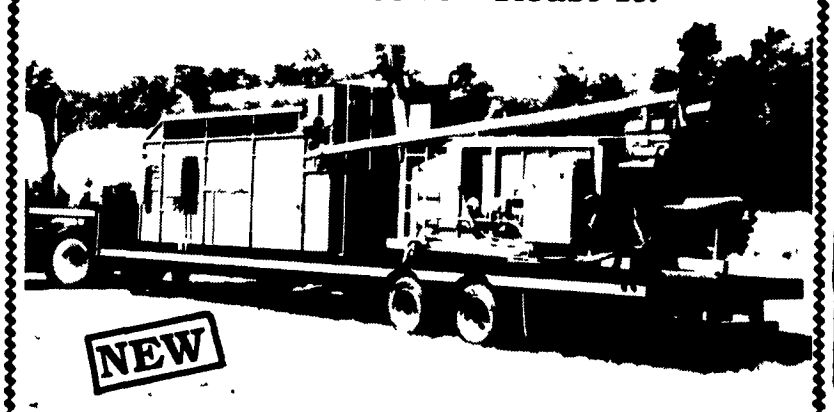

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A NEWSLETTER FOR THE MEMBERS OF THE
December 15, 1990 Vol. 5, No. 2 . PENNSYLVANIA DAIRY HERD IMPROVEMENT ASSOCIATION Lancaster Farming Pages D9-D12

PA DHIA Board Meeting Summaries

At the two most recent meetings of the PA DHIA Board in July and October, 1990, the following decisions of interest to DHIA members and others in the dairy industry were made:

1. A joint resolution with Northeast DHIA was adopted that states:

"Whereas, the cost of data collection is increasing and there are persistent problems associated with financing the DHIA system, and

Whereas, there are internal problems and obstacles to efficient systems of data collection and operations that need solving.

Be it resolved, that Pennsylvania DHIA and Northeast DHIA Boards, as of January 1, 1992, intend to charge the dairy industry for production records as part of the solution to financing the DHIA system.

And, be it further resolved, that the DHI system will continue to seek other solutions to the obstacles and inefficiencies."

2. A joint memorandum of understanding with Northeast DHIA was approved that permits PA DHIA to use the Northeast forage testing lab for PA DHIA members with service rates identical to those used for Northeast DHIA members. The agreement will return a portion of the testing costs to PA DHIA and DHIA supervisors in Pennsylvania.

3. The Heifer Management System was approved for use and the price was set at $.10 per cow in the milking herd per month.

4. Merger agreements with Cambria, Montgomery, and Venango County associations were approved.

(Turn to Page D11)

State DHIA's Help DHIA Services

The National Dairy Herd Improvement Association's for-profit subsidiary, DHIA Services, is launching a new service for state associations thanks to the efforts of Pennsylvania DHIA and Northeast DHIA.

DHIA Services, which was founded several years ago, has signed a contract with Tru-Test, the New Zealand manufacturer of the most widely used milk meter in DHIA in the U.S. The contract makes Services a dealer for the meter in competition with Babson Brothers (Surge) who was previously the sole distributor of TruTest meters in this country.

The agreement was negotiated to create competition for Surge with the hope of improving the field services available to DHIA's that own and/or service TruTest meters. As a side benefit, there may be some earnings returned to state associations from profits made each year.

Based on that opportunity, Pennsylvania DHIA and Northeast DHIA have each loaned $37,500 to DHIA Services for start-up funding. A third loan for $75,000 was also extended from Luana Bank in Iowa to complete the total needed for start-up. These loans are scheduled to be paid back over 24 months.

(Turn to Page D10)

DHIA Calendar Of Events

January 1
New Year's Day, Service Center closed.

January 2-3
Pa. DHIA board meeting, Holiday Inn, State College, Pa., noon to noon.

January 21
Supervisor's Advisory Committee meeting, State College, Pa.

January 29
Central District Association meeting, Family House Restaurant, Mifflintown, 9:30 a.m.-3 p.m.

February 12
Southeast District Association meeting, Berks Co. Ag Center, Leesport, Pa., 9:30 a.m.-3 p.m.

(Turn to Page D11)

Barbara Kowalski, quality control specialist, is doing weekly calibration on a Milk-O Scan 605 fat and protein tester.

Laboratory Services Division

LINDA SCIBILIA
Lab Manager

Welcome to the Laboratory division of Pennsylvania DHIA! The lab is a very busy place, and very concerned with the quality of service provided to you, the members. The laboratory division consists of 11 full-time Equipment Operators, one Quality Control Specialist, one Equipment Technician, and the Laboratory Manager. The laboratory operates Monday through Thursday double shifts, and a single shift each on Friday and Saturday. Two-hundred to 400 herds (12,500 to 14,000 samples) are received and tested each day.

Quality service means different things to different people. In the DHIA laboratory, quality consists mainly of 2 components...speed and accuracy. Both are important, but the importance of accuracy far

(Turn to Page D11)

Heifer Management Made Easy With New DHIA Program

BOB ORMSBY
Training Coordinator

The PA DHIA Board of Directors has approved the new heifer management option for release January 1, 1991. Several herds from each of the five regions have been involved in the initial pilot program and everything appears in order at this time. The program, which has gone through extensive planning and research, was developed jointly by PA DHIA and Penn State Dairy Science Extension personnel. Emphasis is placed on providing complete and accurate identification and estimates of genetic merit on heifers grouped by age. The primary objectives of the new option include assisting the member in the management of the heifers in his herd, improving the accuracy of the identification of heifers and subsequently all animals entering the milking herd, and increasing the efficiency of the progeny test programs conducted by AI units and other breeders groups.

The introduction of this option to the dairymen of Pennsylvania is timely as many dairymen have been searching for a comprehensive heifer management system. DHIA has the parental, genetic and reproductive data already stored in their mainframe computer. It is only logical to arrange it in a manner that makes it accessible as a management tool. By capturing and averaging parental production and genetic information, each heifer is tracked from birth. Parental averages can be used as a guide for estimating potential transmitting ability of calves and heifers for merchandising, mating and culling. Entire life histories recording every event in an animal's life from birth to death are possible with the heifer management program.

Several reports, considered standard each month are pictured here, and in addition, a member may design up to twenty optional action list reports to be generated each month.

The number of reports and summaries a member enrolled on this program will receive varies with the options chose. The Inventory of Individual Heifers lists the sire and dam, the parent PTA average, and the reproductive status of each heifer. The Listing of Removed Heifers keeps tabs on reasons for removal. The Heifer Status Summary shows profiles by age, genetic evaluation, and reproductive efficiency and the average PTA of service sires used. One report lists heifers and cows by sire and still another one by service sires represented in the herd. The Heifer and Cow Reproductive Summary is a report you can literally "go to the bank with." It projects ahead the number of cows and heifers due to calve each month for six months and projects herd totals for those months as well. While valuable

(Turn to Page D10)

INDIVIDUAL HEIFER LISTING

HERD IDENTIFICATION 33 14 0188

DATE 10/12/90
PAGE 1

CALF INFORMATION						SIRE		DAM			PARENT AVERAGE				BREEDING				
DHIA Control Number	Name Vis ID	Ear Tag Reg Number	B R D	Birth Date	Age	NAAB Code Reg Number	B R D	Reg Number	B R D	Index	Name	Milk	Fat	Protein	Dollar+	P A G	X Bred	Date Bred	Date Due	Service Sire
33	CALF-88	23PSU0088	4	11/18/87	34	28J2793	4	3283051	4	232		1386	125	+14	+87	Y	2	12/16/88	9/17/89	21J0337
88		4000033				030822														
35	CALF-89	23PSU0089	4	10/28/87	35	1J0187	4	3207285	4	222		+288	+4	+11	+29	Y	2	12/15/88	9/22/90	29J2787
89		4000030				022888														
41	CALF-90	23PSU0090	4	3/29/88	30	28J2793	4	3380800	4	244		+400	+27	+14	+67	Y	1	1/20/90	10/28/90	21J0717
90		4000041				030822														
42	CALF-91	23PSU0091	4	9/18/88	28	1J0088	4	3382448	4	241		+497	+21	+18	+70	Y	1	2/01/90	11/09/90	21J0337
91		4000042				042003														
47	CALF-92	23PSU0092	4	6/27/88	27	1J0205	4	3406485	4	247		+1002	+15	+31	+94	Y	1	3/01/90	12/07/90	8J0098
92		4000043				029705														
54	CALF-93	23PSU0093	4	1/28/89	20	28J2793	4	3382447	4	240		+573	+28	+15	+77					
93		4000054				030822														
57	CALF-94	23PSU0094	4	2/16/89	19	21J0337	4	7517560	4	250		+1217	+14	+40	+141	Y	1	3/15/90	12/21/90	29J2793
94		4000057				032243														
60	CALF-95	23PSU0095	4	6/12/89	15	7J0159	4	3382446	4	241		+1088	+33	+33	+126					
95		4000060				040211														
62	CALF 96	23PSU0096	4	7/15/89	14	8J0098	4	3515797	4	251		+935	+15	+23	+81	H	1	9/07/90	6/15/91	7J0159
96		4000062				042003														
63	CALF-97	23PSU0097	4	7/18/89	14	28J2793	4	3515793	4	252		+898	+41	+27	+124					
97		4000063				030822														
66	CALF-98	23PSU0098	4	10/23/89	11	7J0159	4	3531410	4	254		+1391	+39	+37	+145					
98		4000066				040211														
70	CALF-00	23PSU0000	4	12/20/89	9	7J0159	4	3518796	4	254		+1069	+28	+28	+105					
00		4000071				040211														
71	CALF-02	23PSU0002	4	1/23/90	8	28J2793	4	3531413	4	261		+737	+32	+16	+69					
2		4000073				030822														
74	CALF-03	23PSU0003	4	2/26/90	7	7J0159	4	3382443	4	240		+1188	+29	+30	+118					
3		4000074				040211														
76	CALF-04	23PSU0004	4	2/28/90	7	28J2793	4	3517560	4	256		+980	+40	+33	+141					
4		4000075				030822														
78	CALF-05	23PSU0005	4	6/16/90	3	7J0159	4	3515793	4	251		+1907	+27	+39	+137					
5						040211														
80	CALF-07	23PSU0007	4	7/10/90	2	28J2793	4	3406448	4	247		+881	+39	+30	+123					
7						030822														
81	CALF-06	23PSU0006	4	6/27/90	3	7J0159	4	3517883	4	255		+1188	+33	+32	+128					
6						040211														
82	CALF-08	23PSU0008	4	8/10/90	1	28J2793	4	3515793	4	252		+888	+41	+27	+124					
8						030822														
83	CALF-09	23PSU0009	4	8/24/90	1	8J0098	4	3288913	4	226		+824	+37	+21	+103					
9						042888														

HEIFER AND COW REPRODUCTIVE SUMMARY

	SEP	OCT	NOV	DEC	JAN	FEB
HERD TOTAL AT START OF MONTH	18	17	18	19	21	21
MILKING AT START OF MONTH	14	16	16	16	17	19
DRY AT START OF MONTH	1	1	2	3	4	2
COWS TO CALVE	0	0	1	1	2	2
COWS TO DRY OFF	0	1	2	2	0	0
HEIFERS TO CALVE	2	1	1	2	0	0
MILKING AT END OF MONTH	16	16	16	17	19	21
DRY AT END OF MONTH	1	2	3	4	2	0
HERD TOTAL AT END OF MONTH	17	18	19	21	21	21

Heifer Management

(Continued from Page D9)

for culling and merchandising, an even greater value is projecting for potential income for paying loan payments and possible expansion projects.

A Standard Application for Registry (approved by all breeds) will be printed when a female calf is reported born to a registered dam. This will likely encourage registry of animals at an early age, resulting in a savings to the member from lower registry fees.

Much of the date needed to make a heifer management system work isin PA DHIA's mainframe computer, making them the logical ones to pull it together. The DHIA supervisor will need to report identification on calves born or purchased, record those died or sold, and update registry numbers and breeding information. There is a barnsheet to use to record additions and changes, much the same as with the cow herd.

The long range potential for this program includes the marriage of some of the cow herd and heifer herd reports to form inclusive management information on the herd as a whole. PA DHIA is pleased to present this new program designed to assist its members in the successful management of their operations.

HEIFER STATUS SUMMARY

REPRODUCTIVE EFFICIENCY SUMMARY

Number over 13 Months and Not Bred	3
Bred but not Diagnosed Pregnant	1
Number of Pregnant Heifers	8
Total Heifers in Breeding Herd	10
Number over 18 Months and Not Bred	1
Average Service per Bred Heifer	1.2
Percent Conception on First Breeding	88
Average Age at First Breeding	20.0

AVERAGE PTA OF SERVICE SIRES

Milk	+1914
Fat	+55
Protein	+54
Protein Dollars	+211

SUMMARY OF HEIFERS LEAVING HERD

	This Test	Yearly
Died from Scours	0	0
Died from Respiratory Problems	0	0
Died from Other Diseases	0	0
Died from Other Causes	0	0
Sold for Dairy	0	0
Sold for Reproductive Problems	0	0
Sold for Other Reasons	0	0

PROFILE OF HEIFERS BY AGE GROUP

Total Number of Heifers as of Last Date of Test: 20

Age	Number	Percent
00-02	3	15.0
03-06	2	10.0
07-14	7	35.0
15-24	3	15.0
Over 24	5	25.0

GENETIC EVALUATION SUMMARY

	Age in Months 00-12 (10)	13 & Over (10)
Number of Heifers Identified by Sire		
Percent of Heifers Identified by Sire	100.0	100.0
Average PTA of Sires		
Milk	+1554	+1075
Fat	+51	+34
Protein	+43	+31
Protein Dollars	+179	+123
Parent Average (PA) of Heifers		
Milk	+1083	+851
Fat	+35	+20
Protein	+31	+20
Protein Dollars	+125	+78

PaDHIA HEIFER MANAGEMENT
Action List for Herd: 23-14-0186
HEIFERS TO BREED/HEAT CHECK

Calf Id	Birth Date	Wt	Age	Next Heat
93	1/28/89	0	20	10/18 *
95	6/12/89	0	15	
97	7/16/89	0	14	11/02
96	7/15/89	0	14	10/19 8

PaDHIA HEIFER MANAGEMENT
Action List for Herd: 23-14-0186
HEIFERS TO CALVE

Calf Id	Date Bred	Prg?	Date Due
88	12/10/89	Y	9/17/90
86	12/15/89	Y	9/22/90
90	1/20/90	Y	10/28/90
91	2/01/90	Y	11/09/90
92	3/01/90	Y	12/07/90
94	3/15/90	Y	12/21/90
96	9/07/90	N	6/15/91

PaDHIA HEIFER MANAGEMENT
Action List for Herd: 23-14-0186
DE DEHORN

Calf Id	Birth Date	Weight	Age
6	6/27/90	0	3 *
7	7/10/90	0	2 *
8	8/10/90	0	1
9	8/24/90	0	1

PaDHIA HEIFER MANAGEMENT
Action List for Herd: 23-14-0186
BR VACC BRUCELOSIS

Calf Id	Birth Date	Weight	Age
98	10/23/89	0	11 *
1	12/20/89	0	9 *
2	1/23/90	0	8
4	2/28/90	0	7
3	2/28/90	0	7

PaDHIA HEIFER MANAGEMENT
Action List for Herd: 23-14-0186
HEIFERS TO PREGNANCY CHECK

Calf Id	Date Bred	Times Bred	Date To Preg Check
96	9/07/90	1	10/22/90

PaDHIA HEIFER MANAGEMENT
Action List for Herd:

PaDHIA HEIFER MANAGEMENT
Action List for Herd:

PaDHIA HEIFER MANAGEMENT
Action List for Herd:

HEIFERS AND COWS BY SERVICE SIRE

HERD IDENTIFICATION 23-14-0186

DATE 10/12/90
PAGE 1

SERVICE SIRE: NAAB Code	Reg Or Ear Tag	n	Protein Dollars	Animals Bred: Heifers	Cows	Total	COW OR HEIFER BRED: Index Number	C/H	Visible ID	Name	Reg Or Ear Tag	n	Birth Date	Date Bred	DAM: Reg Or Ear Tag	n	Index Number	Name
SOONER																		
7J0159	640211	J	+218	1	6	7	241	C	90	90	3382448	4	3/15/84	8/18/90	3084546	4		
							249	C	71	71	3459280	4	9/14/88	9/18/90	3134830	4		
							248	C	72	72	3491140	4	9/18/85	8/12/90	3307341	4		
							251	C	74	74	3515782	4	7/09/88	9/05/90	3158878	4		
							256	C	82	82	3517880	4	1/29/87	8/13/90	3408483	4		
							261	C	88	88	3531412	4	11/18/87	8/18/90	3292051	4		
							82	H	90	CALF-90	4000082	4	7/15/89	9/07/90	3515792	4	251	74
TOP NOTCH																		
8J0096	642003	J	+107	1	0	1	43	H	93	CALF-93	4000043	4	8/27/88	9/01/90	3408485	4	247	69
ROYAL																		
8J0234	634142	J	+157	0	1	1	259	C	88	88	3531410	4	10/28/87	1/28/90	3207285	4		
9J0083	640071	J	+82	0	1	1	255	C	84	84	3517859	4	1/15/87	9/12/90	3380795	4		
9J0088	642986	J	+183	0	2	2	248	C	85	85	3380795	4	11/18/84	4/06/90	3248915	4		
							260	C	87	87	3531411	4	11/01/87	4/21/90	3459280	4		
YANKEE																		
21J0337	632243	J	+132	3	0	3	33	H	88	CALF-88	4000033	4	11/18/87	12/10/88	3292051	4	232	48
							41	H	90	CALF-90	4000041	4	3/28/88	1/20/90	3380800	4	244	66
							42	H	91	CALF-91	4000042	4	5/19/88	2/01/90	3382448	4	241	60

HEIFERS AND COWS BY SIRE

HERD IDENTIFICATION 23-14-0186

DATE 10/12/90
PAGE 2

SIRE: NAAB Code	Reg Or Ear Tag	n	Protein Dollars	Animals Bred: Heifers	Cows	Total	DAUGHTERS: Index Number	C/H	Visible ID	Name	Reg Or Ear Tag	n	Birth Date	Date Bred	DAM: Reg Or Ear Tag	n	Index Number	Name
ROYAL																		
8J0234	634142	4	+157	0	5	5	262	C	90	90	23DKD7010	4	3/26/88	9/18/90	3380800	4		
SOONER																		
7J0159	640211	4	+218	6	0	6	80	H	95	CALF-95	4000080	4	8/12/89		3382448	4	241	60
							88	H	98	CALF-98	4000086	4	10/23/89		3531410	4	259	88
							71	H	1	CALF-01	4000071	4	12/20/89		3515788	4	254	79
							74	H	3	CALF-03	4000074	4	2/28/90		3382443	4	240	55
							79	H	5	CALF-05	23PSU0005	4	8/18/90		3515792	4	251	74
							81	H	6	CALF-06	23PSU0006	4	8/27/90		3517582	4	256	84
TOP NOTCH																		
8J0096	642003	4	+107	2	0	2	42	H	91	CALF-91	4000042	4	5/19/88		3382448	4	241	60
							82	H	90	CALF-90	4000082	4	7/15/89		3515792	4	251	74
9J0088	642986	4	+183	1	0	1	83	H	9	CALF-09	23PSU0009	4	8/24/90		3248913	4	226	

LISTING OF REMOVED HEIFERS

HERD IDENTIFICATION 23-14-0186

DATE 10/12/90
PAGE 1

CALF INFORMATION: DHIA Control Number	Name Vis-Id	Ear Tag Reg Number	SRD	Birth Date	Age	SIRE: NAAB Code Reg Number	SRD	DAM: Reg Number	SRD	Index	Name	PARENT AVERAGE: Milk	Fat	Protein	Dollars	REMOVAL: Cycle	Date Sold	Remarks
30	CALF-88 88	23PSU0088 4000030	4	8/14/87	24	1J0187 622998	4	3155878	4	218	28	+202	+5	+8	+22	21	8/10/88	Heifer Freshened
32	CALF-87 87	23PSU0087 4000032	4	11/01/87	25	1J0205 628706	4	3459280	4	249	71	+674	-3	+19	+42	21	11/20/88	Heifer Freshened
35	CALF-88 88	23PSU0088 4000035	4	12/28/87	23	25J2783 630822	4	3380795	4	245	84	+788	+24	+23	+81	21	12/01/88	Sold for Dairy
87		DOA	4	10/28/88	0	25J2783 *630822	4	3531411	4	260	87	+747	+31	+25	+103	93	10/28/88	Died Other Causes

Services Update

Heifer Management System On Schedule

The PA DHIA Heifer Management System is finished and ready to be released in January, 1991. A detailed description of the system's capabilities can be found in an article dealing with the program elsewhere in this issue of *FOCUS*.

Minor Revamping for Nutrition System

The system designers at Penn State continue to make changes to program calculations. Another crack at limited commercial use is set for early 1991.

ProStaph I Reasearch Continuing

Research on the ProStaph I test of milk samples for Staph. aureus mastitis is continuing at Penn State. An update on test results interpretation will be published when the current research is completed. Meanwhile, PA DHIA continues to test about 75 samples per week.

Biotechnology Evaluator Being Developed

Working with Penn State researchers, PA DHIA, in cooperation with Monsanto and The Ben Franklin Technology Program, is developing a system to help DHIA members determine when to use biotechnology applications (like BST). The system will also evaluate whether the specific biotechnology is making money. The project started in September 1990 and will end about September 1991.

Labor Efficient Records (LERP) Progressing

The concept of reduced supervisor labor on the farm from once a month to once a quarter has been developed into an official DHIA program called Labor Efficient Records. Stringent requirements for an on-farm computing system needed to participate in LERP have been developed. The full program is still several months away, but progress is being made. Contact the PA DHIA Director of Field Services at 1-800-344-8378 if you are interested in this new service.

Computerized Invoicing Near

Fairly soon, all direct members of PA DHIA will be invoiced through an automated billing system. The program will be designed so that the invoice for next month's service will arrive with this month's reports, so you will know a month in advance how much you will have to pay your supervisor on test day. More information will be coming out later on this change in billing procedure.

Liquid Sample Preservative Being Introduced

A new form of our current milk sample preservative is being introduced across the state. Liquid bronopol is replacing the bronopol tablet that has been used for about the last two years. Like the tablet, the liquid form is non-toxic. But, like the tablet, the liquid goes into suspension immediately upon contact with the milk sample with little or no shaking required.

This change should help reduce sample spoilage from improper mixing of the preservative in the milk. If you get it on your hands or clothes, it will stain them blue. So avoid direct contact with the liquid if possible.

Customized Paper Reports Under Study

In response to many requests for a more flexible paper reporting system, PA DHIA has developed a collection of specialized paper reports. They include a Herd Inventory, a Sire Evaluation, a list of Cows Bred to Service Sires, a six-month SCC History, a List of Cows by Milk Within Group, and several pocket-sized action sheets. The action sheets include Cows to Breed, to Pregnancy Check, Due to Calve, to Dry Off, Low Production Cows, Cows Bred More Than 3 times and cows over 300,000 SCC

Under study in 300 herds, report usage will be evaluated and decisions made about which to keep and which not to. If demand is high enough, the reports will be made available as an option to all members.

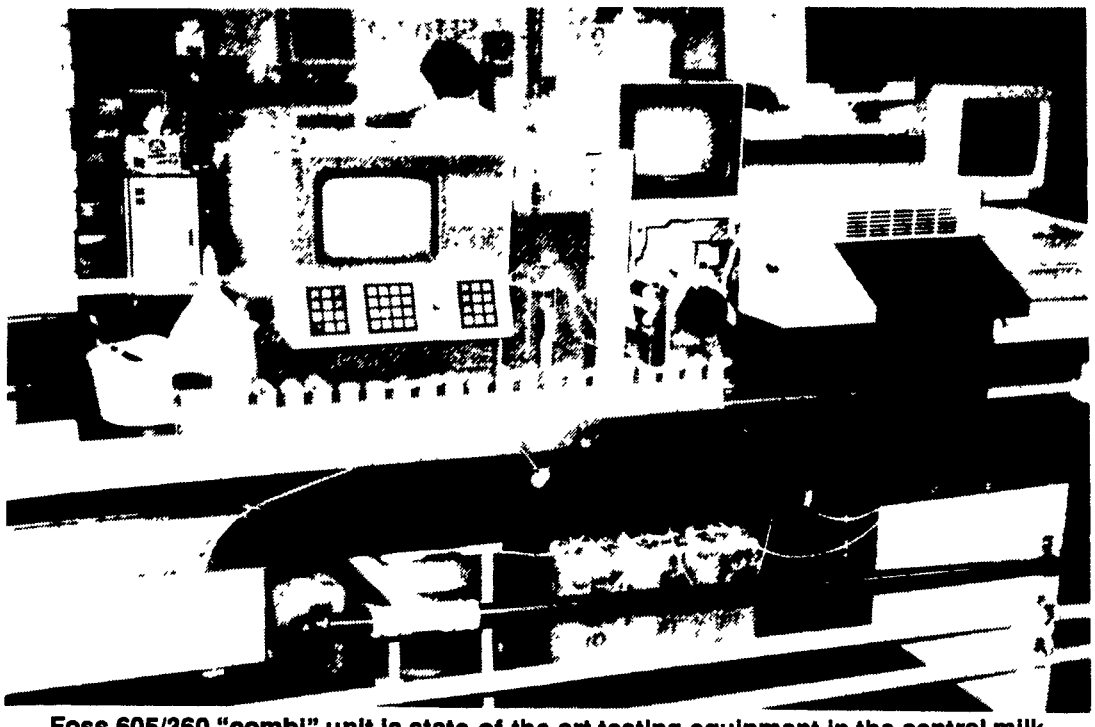
DHIA's Help

(Continued from Page D9)

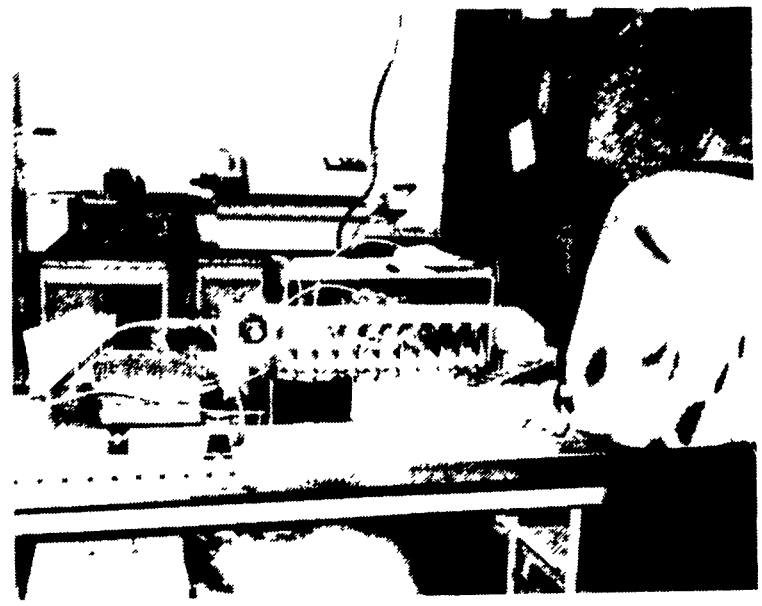
DHIA Services expects to offer ownership of this new service business to all state DHI associations that will contribute equity capital to the venture. Details of that plan are still being developed.

With about 80% of all metering devices used by PA DHIA being TruTest meters, the association stands to gain significantly from improved meter services as well as savings on meter purchases and parts replacement.

Laboratory Services



Foss 605/360 "combi" unit is state-of-the-art testing equipment in the central milk testing lab.



"First of its kind," liquid bromopal dispenser operated by Lisa Yearick.

(Continued from Page D9)

outweighs that of speed. After all, it matters little how quickly we get samples tested, if the results are not accurate.

State of The Art Equipment Enhances Quality

Since 1986, with quality in mind, the PA DHIA Board has been investing in new equipment which has replaced machines 12 to 15 years old. The equipment used in your DHIA laboratory today is the best currently available to the market. This equipment is not inexpensive by any means, but is highly specialized, and very accurate. Each "station", consisting of a fat and protein tester, a somatic cell counter and a data controller (computer) costs approximately $190,000. There are four of these stations in the laboratory, as well as one station of older equipment which is used primarily for backup purposes.

This state of the art equipment contains an internal error handling system, which means high quality results to our members. Anything that happens within the equipment that will affect the result of the sample being tested causes the machine to give an error message to the operator, and the machine automatically goes into standby mode until the problem is corrected. This ensures that if a problem occurs in a machine, that no more samples are tested on it until the problem is resolved.

An added plus to the new equipment is speed. Our old equipment was able to test about 175 to 200 samples per hour. The new equipment, however, tests 275 to 300 samples per hour. And once a new data capture system is put in place in 1991, the speed should increase even further. This efficiency has allowed the lab to go from 16 full-time operators 5 years ago to only 11 at this time. The reduction in personnel cost is a savings our members realize every day. Additionally, most samples, with the exception of those received on Saturday, are tested within 36 hours of arrival at the laboratory, keeping turnaround time low.

National DHIA's Q.C. Program Is A "Quality Asset"

Far and away the biggest asset we have toward quality results, however, is our participation in the NDHIA Quality Certification program. Nowhere is this program more stringent in its regulations than in the laboratory area. DHIA members nationwide can rest assured that if their DHIA lab passes the annual QC evaluation that it is in fact a quality operation. A comparison between NDHIA QC acceptable standards and those required by the milk marketing board in PA (licensing for payment purposes) indicates this as well. In virtually all areas, NDHIA QC requirements are more stringent than those required for licensing a laboratory for payment.

Our Quality Control Specialist works full time in the area of laboratory quality. It is her job to ensure that all laboratory requirements are met through the NDHIA Q.C. program. Her responsibilities in this area include running weekly calibrations and monthly unknowns on every piece of equipment in the laboratory. Within the calibration program we are required to keep fat and protein machines within 0.05 of the chemical reference test. In other words, if the calibration test is supposed to run 4.35% fat and 3.21% protein, it must run between 4.30 and 4.40% fat, and 3.16% and 3.26% protein. Somatic cell counters must be within 15% of the microscope reading. The calibration samples are purchased weekly from an NDHIA approved sample supplier.

In addition to weekly calibrations, the monthly unknown program monitors the performance of all DHIA machines nationally. The samples arrive at the lab with no chemical results, they are run on all equipment, and the results called in to the sample supplier. Only after the results have been called in will the chemical results be given out for comparison. National DHIA then receives the data from each laboratory directly from the sample suppliers. Standards for unknown week are the same as those for weekly calibrations, 0.05 for fat and protein and 15% for SCC.

Between weekly calibrations, we run hourly check tests on all equipment to ensure that there is no drift in calibration. This means that for every hour a machine is run, we run a sample with a known value of the machine. If it is not within 0.05 (or 15% for SCC testers) of the known value, the equipment is not run until the technician finds and corrects the problem causing the discrepancy.

Hourly check tests also help us when a call comes in regarding a member's test results. We keep records as to what date and time a herd is run, as well as results for all check tests. This enables us to look up when a herd was run, and find out what the check tests were testing before and after the herd was run.

Another quality check we do is retests. Samples that run under 2" or over 7% fat (and under 2% or over 6% protein) are retested, either on the same machine or another machine in the laboratory. In this way we can ensure that samples which are out of the "normal" range for cows are actually correct. Since there is no "normal" SCC Range for cows, we watch for trends. For example, if a herd has several cows running over 1,000,000 on SCC, or if most of the herd is under 100,000 we will spot check the samples, retesting them to ensure the results.

Overall, the laboratory employees strive for excellence in accuracy and speed. We try very hard to ensure that we are delivering quality service at a reasonable cost. We feel we are accomplishing that goal. Your visits and comments on our services are always welcome.

Board Meeting Summaries

(Continued from Page D9)

5. A personnel staffing plan for Fiscal Year 1991 was approved that increases the permanent staff authorized from 55 to 56. One clerk will be added in the financial area.

6. An overall rate increase for services was approved effective 1/1/91. New rates will reflect a $.07 increase per cow per month across all service programs, with an additional $.01 for each sample transported to the laboratory each month. These changes include $.025 per cow per month to build cash reserves and $.01 per cow per month to set aside for a facility expansion at an unspecified time in the future.

A 1991 Fiscal Year budget of $3,831,867 was approved with a positive margin of $106.729.

7. A capital investment budget of $390,000 was approved for Fiscal Year 1991. Major items planned for purchase include a production size laser printer for daily reports, four additional disk drives for on-line information storage, and replacements for three autos and one sample truck. equipment, testing relatives under official NCDHIP rule #2 and releasing member lists for cattle sales were adopted. (Copies of all policies are available at the Service Center).

8. New policies dealing with the purchase of member-owned

9. A new application for membership for direct members was adopted.

10. Approval was given to proceed with the development of a biotechnology evaluator project funded by PA DHIA, Monsanto and the Ben Franklin Technology Development Fund. This one-year project led by Dr. Bill Heald at Penn State, will attempt to develop a reporting system that will allow DHIA members to determine when to use new technologies and on which cows (e.g. BST), and to evaluate if its use has increased a member's profits.

11. Approval was given to extend credit to DHIA Services for a total of $37,500. This loan, together with an identical sum from Northeast DHIA, and a commercial bank loan will provide the start-up funds needed for DHIA Services to become a dealer for Tru-Test milk meters.

12. A project proposal from Dr. David Galligan at New Bolton Center called the "Incremental 305" was endorsed. This action is in preparation for a written memorandum of understanding for cooperation with New Bolton Center.

13. A decision was made to support the Pennsylvania Young Farmers' Convention in State College in February, 1991. The association will sponsor a table and provide an information session on DHIA.

DHIA Calendar Of Events

(Continued from Page D9)

February 13
Southwest District Association meeting, Ramada Inn, Somerset, Pa., 9:30 a.m.-3 p.m.

February 15
Northeast District Association meeting, Elk's Club, Towanda, Pa., 9:30 a.m.-3 p.m.

March 6-7
Pa. DHIA annual meeting and Northwest District Association meeting, Days Inn, State College, Pa., noon to noon.

March 12
County dairy agents in-service dinner sponsored by Pa. DHIA, State College, Pa., 6 p.m.-9 p.m.

March 19
N.E. Region Supervisors' Conference, Wysox Fire Hall, 1 p.m.-6 p.m.

March 21
S.E. Lancaster area Supervisors' Conference, Yoder's, New Holland, Pa., 1 p.m.-6 p.m.

March 22
S.E. Region Supervisors' Conference, Embers, Carlisle, Pa., 9 a.m.-3 p.m.

March 26
N.W. Region Supervisors' Conference, Clipper, Clarion, Pa., 1 p.m.-6 p.m.

March 28
S.W. Region Supervisors' Conference, location to be announced, 1 p.m.-6 p.m.

March 24-27
National DHIA Convention and Trade Show, Northeast Caucus meeting, Baltimore, Md.

April 3-4
Pa. DHIA board meeting, Holiday Inn, State College, noon to noon.

May 27
Memorial Day, Service Center closed.

Welcome New Members

Beka Hill Farm
Rainbow Acres Farm
Gene C Mortimer
Ziggy Farms
Stacey Marshall
Douglas Fiely
Charles Mook
Tiaro Holsteins
Robert Margaret Smith
Edward Newswanger
Leroy Riehl
Dandi Willow Acres
Akenys Acres
Twin S Farm
Hallow Pine Farm
John Piwowar
Clinton W Benedict
Lin Low Farm
Kenneth M Rutt
Jacob S King
David M Beiler
John R Zimmerman
John O Yoder
Leland Marshall
Allen Nolt & Son
Jonas L Zook
Robert Shine
Roger Wolfe
Ronald A Heimbach
Jack & Ken Snyder
Mike & Cheryl Wesneski
David Fava
Leon R Newswanger
Nelson B Weaver
J+C Acres
Grant Weston
Dawn Rise Dairy
Joel B King
Freedom Valley Farm
Stacey Marshall
Gideon L Miller
Amazing Grace Dairy
Steven P Kline
Richard Glewont
Greene Summit Farm
Tim Smith
Edward Burnworth
White Mar Farm
Lin Low Farm
M Joseph Reese
Christmans Dairy
Randy+Marie Shaffer
John N Shirk
Wilmer S Stoltzfus
Buffum Brook Farm
Levi G Lapp Jr
Reuben K Fisher
Robert D Huss
W William Sapala
Ed + Wilma McMillen
Samuel R Beiler
Robert Insinger
George M Payne
Lyle Sherman
B&T Dairy
Doug+Joanne Wesneski
Harold G Nolt
Yates Vue Gold Arch
Sweet Pea Jerseys
Adam + Becky Derr
Luke H Hege
Roy E Bowser
Calhoun Jersey
Barnes Brothers
Donald G Hoover
Little Pond Farm
Ray+Janet MacWhinnie
Amos K Lapp
Lowell S Martin
Isaac L Fisher
Rhoads Green Valley
Benjamin K Stoltzfus
Darlene Gothard
Gary Monan
J G Reasner
Robert Bedow
Greg Lint
J T Miller
Willow Creek Farm
Breezyvalley
Lester Wingert
Swope View Leo Jr
Kevin/Holly Plummer
Philip Horst
Moses K Glick
Randy Blaisure
Frantz Hill Farm
Ar View Farm
Dare E Land
John Brenneman
Wilmer A Yoder
Mud Hollow Farm
Job & Tracie Shipsky
Scott & Lisa Bush
Bob Dianne Bechtel
Ed L Bartlett
Melvin R Oberholtzer
James M Reiff
Wendy Hill Farm
Mike Hardler
Miller Mt Farm

What Is ARIS? Questions And Answers

Q: I have heard that DHIA offers a program called ARIS, what exactly is ARIS?

A: ARIS, Agricutural Records Information Service, is a computer access system available to people with personal computers. ARIS is an on-line system, which means users must dial through a modem and connect to the mainframe computer at the DHIA Service Center to access their records. Any desired data can be viewed or printed at the touch of a key. Authorized users can run reports located in menus created by DHIA programmers. Or, custom reports and inquiries that are exactly tailored to individual needs and tastes can be created.

Q: Who can use the ARIS system?

A: The service is available to dairymen, veterinarians, and agribusiness consultants who have been authorized to have access to DHIA records via personal computer. To limit the use of the mainframe to approved users, passwords are assigned by the DRPC manager and must be entered before access into ARIS is allowed. Users may change their password at any time to maintain privacy.

Q: Do users have access to everyone's DHIA records?

A: No, dairymen are given access only to the records for their own herds. Veterinarians and agribusiness consultants must submit release forms signed by herd owners before gaining access to any records. The system is designed to prohibit alteration of DHIA data. The data is updated when a herd is processed after each test.

Q: What are the computer hardware requirements for use of the ARIS program?

A: To access the ARIS system, you must have a computer, modem and a usable phone line. The computer must be IBM or 100% IBM compatible with at least 256 K memory. The modem must be Hayes or Hayes compatible, with 1200 or 2400 baud rates. Because the difference in price is slight and the line speed is twice as fast, 2400 baud is recommended. A hard disk is not necessary, but is also recommended. I'll explain the meanings of these terms in future columns. But if you already own a computer or you're shopping for one, you may want to keep these specifications in mind.

Q: How can the ARIS program benefit me?

A: With the ARIS information facility, you are able to make management decisions that require immediate action the day your herd processes. The program gives the user the ability to list cows in a variety of ways, such as last test milk, fat, or protein, fat corrected milk, sire, lactation, and SCC. Limits can be placed on the data, for example, a report can be run which lists just first calf heifers in group one.

Consultants can run analysis reports which give averages for cows in different lactation and days in milk groups. The information printed on a report such as this can be used to make feed recommendations, and to troubleshoot problem areas. Samples of two such reports accompany this article.

ARIS is designed to be used effectively as a management tool to improve herd performance. The ARIS program is versatile, easy to use and well supported.

Q: If I subscribe to ARIS, how will I learn to use the program.?

A: Anyone living in or near Pennsylvania who subscribes to ARIS, will receive a visit from an ARIS representative. This representative will install the software, test your modem and phone line to make sure the connections are good, and give about a two hour training session. After the visit, you will get fifteen days of free service in which time you should practice using the program and become familiar with what ARIS has to offer.

Q: How can I find out more about the ARIS program?

A: Call the state DHIA office at University Park, 1-800-DHI-ARIS. A representative will be more than happy to answer your questions.

State DHIA To Charge For Records

Effective January 1, 1992 the Pennsylvania DHIA will begin charging other organizations in the dairy industry for cow production records. That decision was made by the PA DHIA board at the July 1990 meeting by adoption of a joint resolution which had already been adopted by the Northeast DHIA board at their meeting in March 1990.

The decision was made in order to prompt action on resolutions adopted by the state delegates at the last two National DHIA conventions in March 1989 and March 1990. Those resolutions were less specific than the NE-PA resolution.

In adopting their resolution, the Northeast and Pennsylvania boards put the rest of the dairy industry on notice that using DHIA cow records for AI bull proofs, breed association pedigrees, pharmaceutical research and other activities will cost those organizations for access to the records.

In making the decision, the boards pointed out that substantial value is gained by other organizations and non-DHIA producers, both in the U.S. and abroad, without adequate return to the DHIA members whose records are used. As an example, non-DHI producers have access to AI-proven sire semen with the same genetic value and purchase price as that paid by DHIA members whose records were used to establish the bull's value.

Both boards have stated that they hope this decision will bring additional income to their organizations to help offset the increasing cost of data collection on the farm.

The resolution has been discussed at three of the four National DHIA caucuses already this fall. The last caucus meeting was in Minneapolis on December 1, 1990. In presenting the issue to DHIA member representatives from other parts of the country it is hoped that a concensus will develop at the national level and a forum established to discuss and agree on record pricing.

In a related action, the Wisconsin DHIC board adopted a position very similar to the joint NE-PA resolution. It stopped short of setting a date to begin charging, but does indicate that users of records who do not pay for DHIA services need to pay for access to records.

And in response to the actions by all three DHIA's, the NAAB delegates, who represent the AI organizations, acknowledged at their annual meeting last August that a problem exists, and that they want to work with DHIA to develop an equitable solution.

A meeting of DHIA representatives is scheduled in Minneapolis in early December to begin planning for discussions with NAAB and PDCA members.

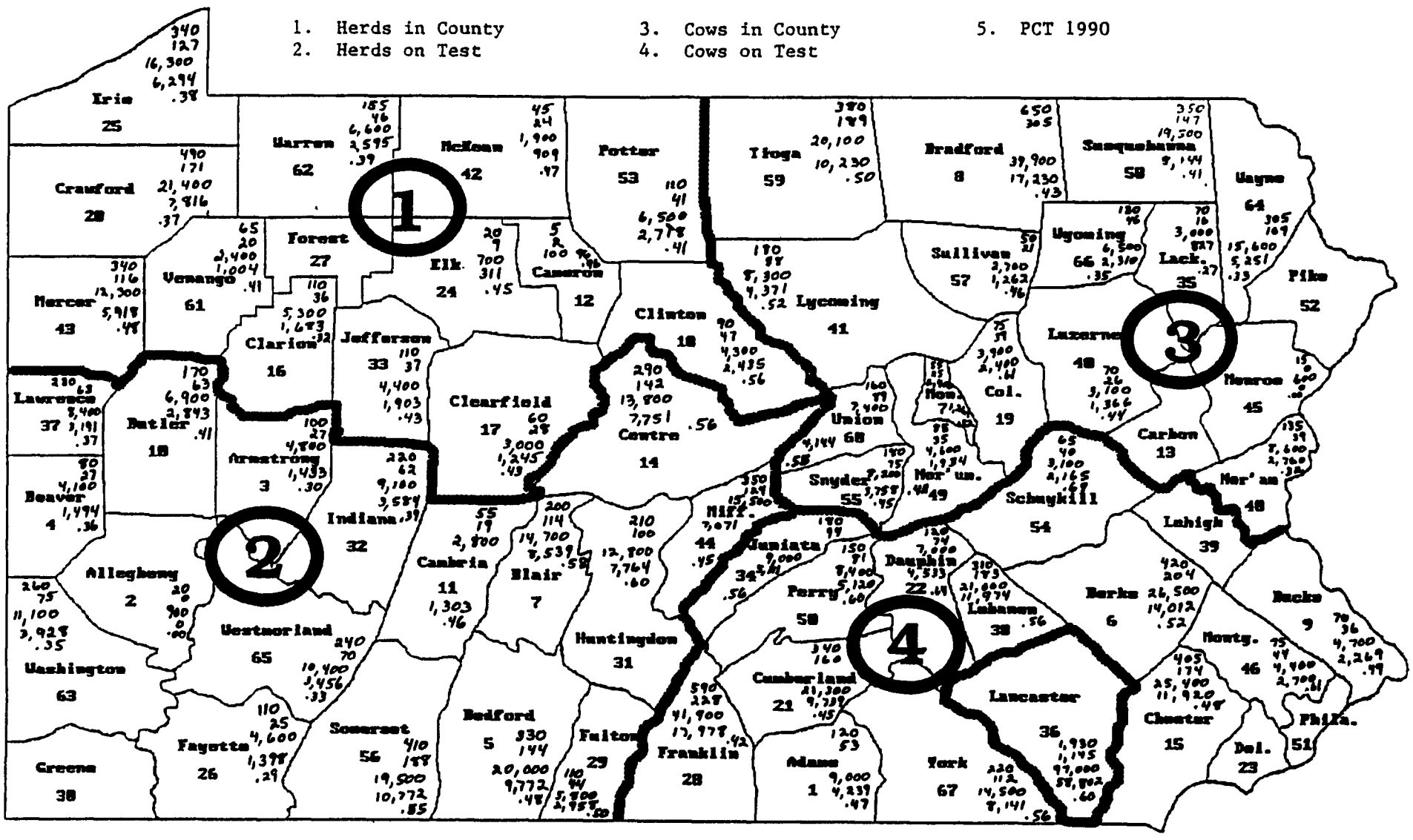
If a successful solution can be found, DHIA members stand to gain income from the use of their records that was never before possible. That income could go a long way toward offsetting the increasing cost of DHIA services and help insure that high quality services and new service development continue in the future.

Operations Comparisons

Operations performance for PA DHIA in general continues to improve as reflected in the following statistics:

	1985	1986	1987	1988	1989	Thru October 1990
Herds Enrolled	6,044	6,074	6,062	5,947	5,989	6,095
Prime Herds	NA	NA	12	22	111	197
% AM - PM Herds	22.5	24.5	26.6	29.1	42.2	44.3
ARIS Users	NA	NA	NA	65	129	159
% Herds with Errors	16.64	15.83	17.3	15.5	17.9	15.3
% Samples Untestable	0.59	0.61	0.55	0.45	0.11	0.12
Turn around (Days)	4.96	4.48	4.86	4.10	4.27	3.48
% SCC Herds	60.7	64.8	68.7	74.2	81.6	83.3
New Supervisors	--	42	53	34	51	44
Verification Tests	118	138	138	160	122	181

REGIONAL MAP AND REGIONAL MANAGERS



REGION 1
David Bigelow
P.O. Box 246
Madera, PA 16661
814-378-7887

REGION 2
Larry Hay
R.D. #3, Box 39-A
Berlin, PA 15530
814-267-4754

REGION 3
Don Birchard II
R.D. #5, Box 130B
Montrose, PA 18801
717-934-2800

REGION 4
Harry Fritz
4090 Lemar Road
Mercersburg, PA 17726
717-328-9159

LANCASTER
Jay Mylin
1592 Old Line Rd.
Manheim, PA 17545
717-665-5960

FOCUS

Pennsylvania Dairy Herd Improvement Association

Call 1 800-DHI-TEST for service or information

Pennsylvania DHIA Field Services

Director of Field Services for PA DHIA, Herman Espy, reports that while total PA milk cow numbers are down from 1989 figures DHIA shows an increase in total number of cows enrolled in the program. The latest market analysis map shows a county by county listing of herds and cows and also the number of herds and cows on DHIA test. PA DHIA divides the state into five regions. The following figures reflect the activity in each of those regions.

PENNSYLVANIA: 1988-1989, Total Cows 717,000; 1989-1990 Total Cows 698,000.

In the same period of time, comparing 11-1-89 to 11-1-90, we have gone from 5,989 herds to 6,095 herds with cow numbers going from 339,272 to 343,377.

REGION 1: Total cow #'s went from 87,000 to 85,200; Total DHIA cow #'s went from 33,379 to 34,927 An increase of 1548 cows on test.

REGION 2: Total cow #'s went from 166,100 to 165,200; Total DHIA cow #'s went form 75,666 to 77,257 An increase of 1591 cows on test.

REGION 3: Total cow #'s went from 158,500 to 154,400; Total DHIA cow #'s went from 69,548 to 67,248 A decrease of 2300 cows on test.

REGION 4: Total cow #'s went from 202,300 to 196,200; Total DHIA cow #'s went from 99,901 to 99,741 A decrease of 160 cows on test.

LANCASTER: Total cow #'s went from 103,100 to 97,000; Total DHIA cow #'s went from 56,777 to 58,802 An increase of 2,025 cows on test.

GOT AN IDEA FOR A SERVICE IMPROVEMENT, OR A NEW SERVICE? WHY NOT TEAR OUT THIS FORM AND SEND IT TO THE PA DHIA SERVICE CENTER, ATTENTION GENERAL MANAGER AND LET US KNOW WHAT YOU NEED.

Dear PA DHIA General Manager

I could use the following if you can produce it:

_____

_____

_____

_____

_____

You can contact me for details at the following:

Name:_____

Address:_____

_____

Herd Code:_____

Telephone:_____

Verification Testing

One function of the field services division is check testing to verify production data across the state. If you have been check tested this year you probably were doing nothing wrong and most likely you were doing something very right. Verification testing applies to all record plans 00 through 39, and in most cases it is for certification of exceptional records. When an animal has exceptional production, she also has potential value and that value is increased when the record is verified as accurate. Last year as a routine procedure, all herds with high herd averages were verified. Thirty of the forty-five most recent high herd check tests were done immediately following the regular supervisor's visit. The Rolling Herd Averages (RHA's) averaged 22,810 Milk 841 Fat. Regular test day per cow average was 65.9 lbs. milk and 3.7 % fat. The results of the verification test were very close at 66.1 lbs. milk and 3.7% Fat. For the high herd verification tests not following the regular supervisor, test day milk weights averaged 64.8 lbs. and 3.8 lbs. fat, and the check test weights averaged 64.3 lbs. milk and 3.8% fat.

To satisfy Quality Certification requirements established by NCDHIP, several more herds were randomly selected for verification. The purpose of these tests is to determine the accuracy and completeness of DHIA services throughout Pennsylvania. Missing, inaccurate or incomplete information can come to light through these tests. Occasionally, a problem comes up that requires a check test to help clarify or remedy a situation. Pennsylvania dairymen are to be commended for their cooperation and for doing so many things right. Exceptional production records usually come from exceptional management in

(Turn to Page 21)

Fall Clearance Sale
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Karcher, the world leader in pressure washers, lets you take cold water, high-pressure cleaning wherever you need it With Karcher's portable Model K 455, you get a big value for a very small price!

- Cleans car, home, patio and pool quickly and easily
- Powerful and lightweight, weighs only 25 pounds!
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- Adjustable controls for solution spray or clear rinse
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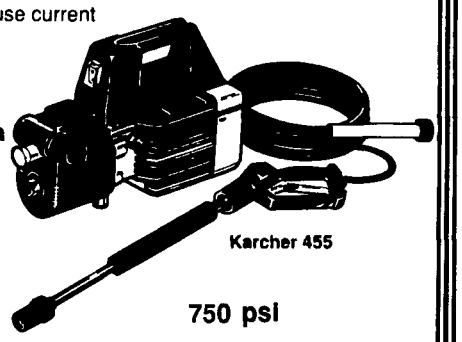
Keeping America Clean



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- Variable pressure from 150-1000 PSI at 2 1 GPM

Keeping America Clean

Karcher 570

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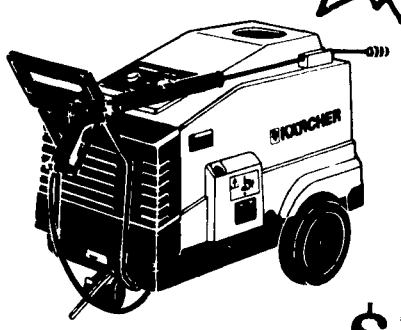

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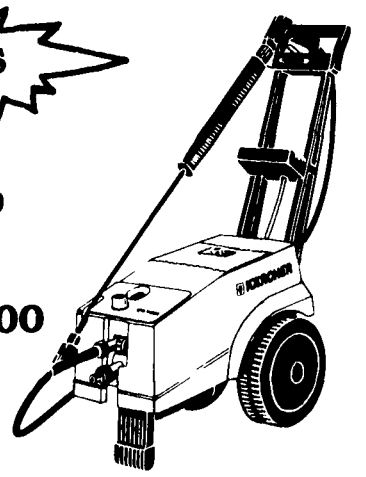

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Rolling Herd Average: 14,000-16,000 Pounds (1119 Herds)

L#	SCC	LS	Days Open	PTA Milk	PTA Fat	PTA Protein
1	2.8		129	+187	+7	+6
2	2.9		121	+93	+4	+3
>2	3.7		129	-179	-4	-3

	Lactation 1					Lactation 2					Lactation 3 or Greater				
Test#	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC
1	48.0	3.7	3.0	5.38	269	64.0	3.7	3.0	4.52	259	68.8	3.7	3.0	4.33	460
2	51.4	3.4	2.9	5.21	208	65.1	3.4	2.9	4.61	255	70.9	3.4	2.8	4.39	441
3	49.8	3.4	3.0	5.30	212	61.1	3.4	3.0	4.82	282	66.5	3.3	2.9	4.60	479
4	47.9	3.5	3.0	5.33	225	57.3	3.4	3.0	4.98	296	61.9	3.4	3.0	4.78	510
5	45.8	3.5	3.1	5.39	230	53.4	3.5	3.1	5.12	312	57.4	3.4	3.0	4.95	538
6	44.2	3.6	3.1	5.46	237	49.9	3.6	3.2	5.26	320	52.9	3.5	3.1	5.13	552
7	42.1	3.7	3.2	5.57	246	45.8	3.6	3.2	5.44	345	48.3	3.5	3.2	5.36	555
8	39.7	3.7	3.2	5.72	245	41.2	3.7	3.3	5.78	344	43.1	3.6	3.2	5.70	584
9	36.4	3.8	3.3	5.96	245	35.6	3.8	3.4	6.28	387	36.8	3.7	3.3	6.20	609
10	31.8	3.9	3.4	6.44	273	28.5	3.9	3.4	7.14	405	29.6	3.7	3.4	7.01	631
11	26.8	3.9	3.4	7.12	282	22.4	3.9	3.5	8.31	430	23.2	3.8	3.4	8.13	670
12	21.4	4.0	3.5	8.05	320	16.5	4.0	3.5	10.32	473	17.1	3.8	3.4	9.91	702

Rolling Herd Average: Less Than 14,000 Pounds (1092 Herds)

L#	SCC	LS	Days Open	PTA Milk	PTA Fat	PTA Protein
1	2.9		129	+149	+7	+5
2	3.1		124	+86	+4	+3
>2	3.9		128	-168	-4	-3

	Lactation 1					Lactation 2					Lactation 3 or Greater				
Test#	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC
1	42.0	3.8	3.1	5.57	284	54.4	3.8	3.1	4.72	303	58.3	3.8	3.1	4.53	523
2	43.2	3.6	3.0	5.59	217	54.0	3.6	3.0	4.89	302	58.4	3.5	2.9	4.67	522
3	41.2	3.6	3.0	5.73	224	50.2	3.6	3.0	5.14	325	54.3	3.5	3.0	4.90	560
4	39.4	3.7	3.1	5.82	229	46.7	3.7	3.1	5.35	349	50.0	3.6	3.1	5.13	572
5	37.6	3.8	3.2	5.91	249	43.6	3.7	3.2	5.52	358	46.6	3.7	3.1	5.32	592
6	36.1	3.8	3.2	6.01	243	40.6	3.8	3.2	5.71	381	43.0	3.7	3.2	5.55	615
7	34.4	3.9	3.3	6.09	244	37.4	3.8	3.3	5.91	399	39.1	3.8	3.3	5.86	640
8	32.4	3.9	3.3	6.26	244	33.7	3.9	3.4	6.29	422	34.8	3.8	3.3	6.25	647
9	29.6	4.0	3.4	6.57	253	29.2	4.0	3.4	6.84	448	29.9	3.9	3.4	6.82	674
10	25.6	4.0	3.4	7.16	257	24.0	4.1	3.5	7.70	447	24.3	3.9	3.5	7.74	704
11	21.7	4.1	3.5	7.92	284	19.5	4.1	3.5	8.71	459	19.5	3.9	3.5	8.80	726
12	16.8	4.1	3.5	9.37	339	13.9	4.1	3.6	11.17	537	13.5	3.9	3.5	11.40	830

Rolling Herd Average: 16,000-18,000 Pounds (1923 Herds)

L#	SCC	LS	Days Open	PTA Milk	PTA Fat	PTA Protein
1	2.7		127	+258	+10	+7
2	2.7		123	+197	+7	+6
>2	3.5		129	-93	-1	-1

	Lactation 1					Lactation 2					Lactation 3 or Greater				
Test#	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC
1	52.4	3.7	3.0	5.17	265	70.4	3.7	3.0	4.33	240	74.8	3.7	3.0	4.18	423
2	56.7	3.4	2.9	5.00	197	72.8	3.3	2.9	4.41	226	78.2	3.3	2.8	4.23	403
3	55.7	3.4	3.0	5.08	198	68.9	3.3	2.9	4.59	249	74.1	3.3	2.9	4.42	439
4	53.9	3.4	3.0	5.15	208	64.8	3.4	3.0	4.75	267	69.2	3.4	3.0	4.59	456
5	52.0	3.5	3.1	5.20	214	60.5	3.4	3.1	4.90	276	64.4	3.4	3.0	4.75	479
6	49.8	3.5	3.1	5.23	225	56.2	3.5	3.1	5.05	295	59.5	3.5	3.1	4.92	492
7	47.7	3.6	3.2	5.30	219	51.7	3.6	3.2	5.23	305	54.2	3.5	3.1	5.13	500
8	45.1	3.7	3.2	5.44	225	46.6	3.7	3.3	5.51	317	48.4	3.6	3.2	5.42	509
9	41.5	3.7	3.3	5.64	240	40.2	3.8	3.4	5.93	339	41.6	3.7	3.3	5.86	524
10	35.7	3.8	3.4	6.10	248	32.2	3.9	3.4	6.72	348	33.3	3.7	3.4	6.62	563
11	29.7	3.9	3.4	6.73	251	24.9	3.9	3.5	7.83	373	25.9	3.8	3.4	7.66	587
12	23.5	4.0	3.5	7.78	265	19.4	4.0	3.5	9.18	402	18.9	3.8	3.5	9.40	600

Core Parameters Tables

Throughout 1987 and 1988, ten subcommittees of extension specialists representing various regions in the United States prepared fact sheets which described the fundamental core parameters deemed necessary for the elementary use of DHIA records in the following areas: Production Change Analysis, Nutrition, Reproduction, Health, SCC and Mastitis, Genetics, Business Management, Marketing, Youngstock, and Culling.

The goal of these committees was to identify the herd and individual cow measurements that were readily identifiable and easily measurable, as well as directly usable by producers and important for proper herd management.

The result of the committees' efforts was a set of standardized herd and cow management parameters that represent all of the important measures needed to manage a herd and dairy farm for the greatest profitability.

Because the goals of these extension subcommittees reflect the vision of DHIA, the Pennsylvania Dairy Herd Improvement Association has incorporated the promotion, use, and refinement of these core parameters into our long term data processing development and educational efforts.

Following are two sets of tables. One, the Core Parameters for Business Management Performance, shows groupings of herd size ranges for several statistics for each breed. This table has been incorporated into DHIA's year-end reporting.

The second set of tables was new last year. These tables are grouped by rolling herd average in steps of 2000 pounds, from 14,000 pounds and under to 22,000 pounds and over. For all herds, the average number of animals leaving the herds, and the number of herds on test in each category are shown. In addition, the average PTA milk, fat, and protein also appear, as well as the lactation average somatic cell count, and the average number of days open.

Following these overall aver-

(Turn to Page 19)

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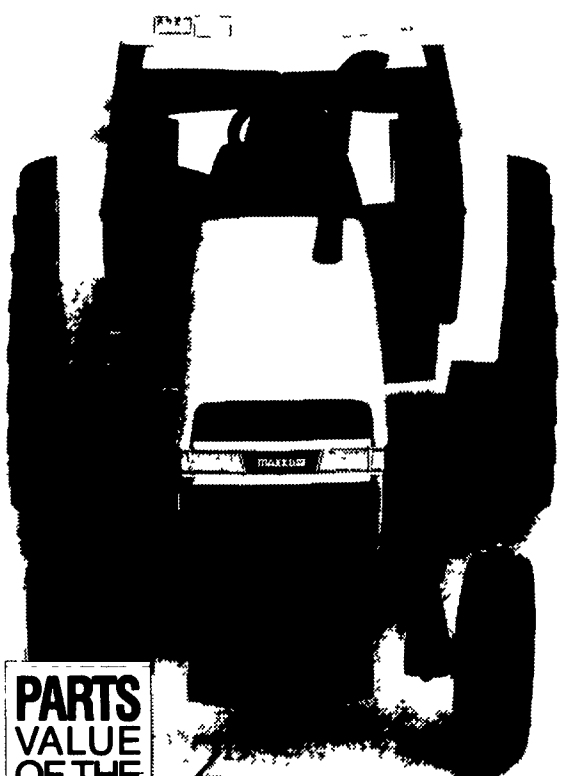
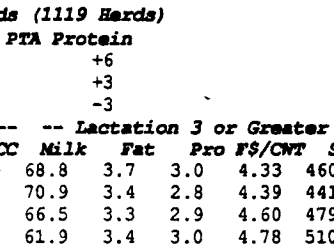
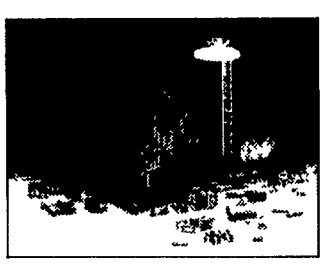
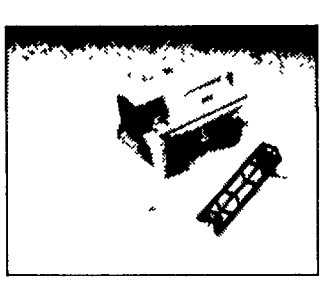




1/64 Plow
ZFN1863FO
1.99



1/64 Barn
ZFN4242DO
23.69



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Body Condition Scoring, An Important Dairy Farm Tool

ALAN RATHWELL
Navan Vet Clinic
Navan, Ontario

Editors Note: This article used by permission first appeared in the October 1990 Canadian Holstein News.

This article will be devoted to body condition scoring cows and how this tool, although simple, may be one of the most effective that we have developed over the last few years.

Why is body condition so important? Research has shown that dry matter intake or the total amount of feed that a cow consumes does not reach its maximum until 90 days after calving. Of course, peak milk production comes at day 60 or 70 so we have an approximate three-month time interval when the high producing cow is not consuming as much energy as what she is using to produce milk. Thus, she either has to cut back in milk production or go to the reserve of energy and this is her body fat. We have in the past given body fat a bad name and thought that we had to have really thin cows in order to have healthy cows. However, there is some good research out now that suggests that thin cows do not reproduce well and they don't peak as high. Nor do they peak at the right time during lactation. Thin cows have a tendency to peak on first test date and then start down the back side of the lactation curve instead of peaking around day 60 or 70. For every kg of peak not obtained, we loose approximately 200-220 kg of milk during that lactation. Thus, you can see that monitoring peaks is very important if we wish to attain high production.

When we body score cows, we do it on a scale of 1-5 and it consists of both visually looking along the top line of the cow and over the rump of the cow. I also like to feel these areas in order to determine how much fat cover is underneath the skin. The following description of each category is taken from the article in the **Hoards' Dairyman** and I think it serves as a very useful tool in order to learn how to condition score cows. Basically, I break them down into scores of 2.0, 2.2, 2.5, 2.7, 3.0, 3.2, etc. It is not important that two people come up with the same score, although they should be relatively close, but it is important that the person doing the scoring is consistent so that when they score the animals, they can tell if they have lost or gained weight.

Condition Score 1:

The ends of the short ribs are prominent, with limited flesh cover, are sharp to the touch and provide a distinctive shelf-like appearance. Hips and pin bones are sharp, with limited flesh covering. There are severe depressions between hips and pins and between hooks. The area below the tailhead and between the pin bones is severely depressed with a deep "V-shaped" cavity under the tail.

Condition Score 2:

Short ribs can be seen. There is some flesh covering over the topline, but an overhanging shelf remains prominent. The individual vertebrae of the chin, loin and rump regions are not distinct to the eye. Hips and pin bones are prominent with some depression between them. There is limited depression around the tailhead (U-shaped) and between the pin bones.

Condition Score 3:

The short ribs appear smooth and an overhanging shelf effect is not noticeable. The backbone appears as a rounded ridge with firm pressure being necessary in order to feel individual bones. The hip and pin bones are rounded and smooth. The area between the pin bones is only slightly depressed while the area around the tailhead appears smooth without signs of fat deposit.

Condition Score 4:

The short ribs appear smooth or rounded with no overhanging shelf effects. The ridge formed by the backbone in the chin region is rounded and the span between the hips is flat. The area around the tailhead and the pin bone is rounded with evidence of fat deposit.

Condition Score 5:

The backbone is covered by a thick layer of fat. Short ribs are covered by fat. The hips and pins are not apparent and the areas between them are rounded. The tailhead is surrounded by fat.

We generally like to body score cows the day they calve and continue to body score them during our routine monthly visits to the farm until the time when they are

(Turn to Page D20)

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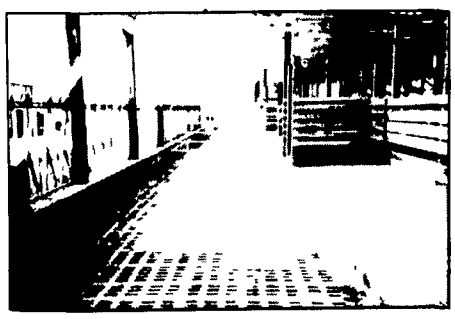

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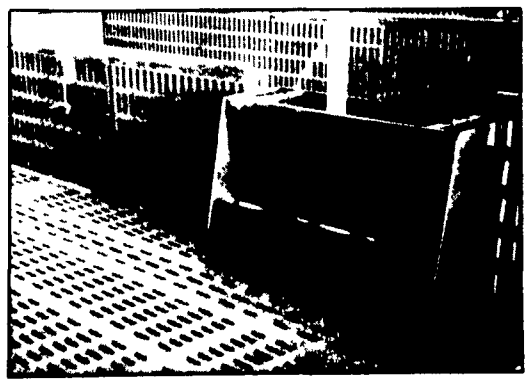
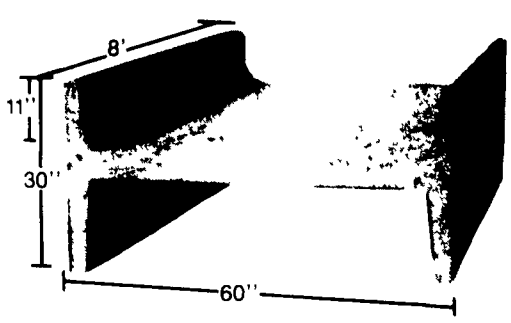
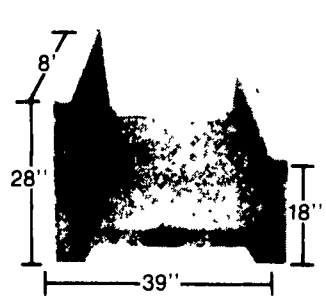


Waffle Hog Slats
Concrete Hog Penning



H-Bunks



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Pennsylvania Dairy Herd Improvement Association

BREED CODES:

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2 Guernsey	8 More Than One Breed
3 Holstein	G Grade
4 Jersey	B Grade and Registered

October 1990

A Registered Holstein cow owned by Kenneth D Myer, 393 Ridgeview Road, Elizabethtown, completed the highest 305 day lactation. Barbara produced 32,200 lbs. of milk, 1,015 lbs. of protein with a 3.1% test Second high lactation was completed by a Registered Holstein cow owned by David & Robin Dum, R D #1, Box 428, Mt. Joy, 245 produced 29,875 lbs. of milk, 1,007 lbs. of protein with a 3 3% test.

First 305 Days of Lactation with 770 or More Lbs. of Protein

Owner- Cow's Name	Brd.	Age	Days	Milk	Test	Protein	Test	Fat
Kenneth D Myer								
Barbara	RH	1-21	305	32,200	3.1	1015	3 6	1176
Bobisue	RH	6-2	305	29,268	2 9	853	3 8	1111
Gina	RH	3-11	305	27,043	2 9	787	3 6	974
Connie	RH	10-10	305	23,809	3 3	785	4 0	970
Star	RH	3-8	305	22,738	3 3	770	3 5	804
David & Robin Dum								
245	RH	5-5	305	29,875	3 3	1007	4 0	1197
Bob & Karen Gochenaur								
74	RH	5-3	305	33,852	2 8	964	2 8	960
64	RH	3-2	305	27,886	3 0	843	3 3	922
Vernon R Umble & Son								
Beaut	RH	6-5	305	32,246	2 9	962	3 2	1041
Amos E Stoltzfus								
Robin	GrH	6-3	305	30,779	3 1	955	3 2	996
Pearl	GrH	4-11	305	24,933	3 1	782	3 0	757
Shelmar Acres								
Mindn 44	RH	6-4	305	30,849	3 0	948	3 8	1176
Robert Kauffman Jr								
Anabell	RH	8-0	305	29,933	3 1	945	3 1	932
Donna	RH	8-4	305	28,662	3 0	872	3 4	999
J Harold Fntz								
363	GrH	4-11	305	30,588	2 9	909	3 1	967
67	RH	6-2	304	27,324	2 9	799	2 8	781
51	GrH	7-3	295	26,774	2 9	777	3 7	1001
39	GrH	5-5	305	22,413	3 4	777	3 7	838
19	RH	3-2	305	23,980	3 2	775	3 6	886
J Ray Ranck								
Kitten	GrH	4-5	305	28,440	3 1	907	3 9	1110
Leanne	RH	5-5	305	27,243	3 2	893	3 4	947
Vivian	GrH	3-3	305	24,077	3 3	794	3 5	862
Welsh Hill Farms								
178	RH	4-4	305	26,254	3 4	899	3 2	856
190	RH	4-9	305	26,122	3 1	809	3 3	878
99	RH	6-6	305	24,225	3 2	779	4.2	1028
213	RH	5-3	305	25,015	3 0	772	4.1	1030
JS Smucker & Sons Farm #2								
652	RH	5-10	305	30,367	2 9	888	3 4	1050
628	RH	6-3	305	27,791	3 0	849	3 5	994
Daryl & Sam Martin								
146	GrH	6-8	305	27,037	3 2	884	3 2	886
135	GrH	7-2	305	25,059	3 2	824	3 2	813
Ruth	GrH	6-2	305	25,342	3 0	775	3 2	832
John E Coleman Jr								
Breanne	RH	5-3	305	25,666	3 4	876	4 1	1055
Sierra	RH	6-7	305	28,696	3 0	873	3 4	979
Maria	RH	5-0	305	24,110	3 2	771	3 8	930
Dale & Steve Hershey								
Minnie	RH	5-8	305	28,650	3 0	877	3 2	916
Andi	RH	5 6	305	27,628	3 1	858	3 9	1095
Gerald Martin								
Kara	RH	5 0	305	25,455	3 4	869	3 7	959
Spring Belle Farm								
Alafia	RH	8 5	305	27,420	3 1	866	3 6	989
Mindy	RH	10 8	305	25,423	3 2	827	3 8	974
Doe	RH	4 0	305	26,224	3 0	808	4 3	1142
Stevie S Stoltzfus								
2	GrH	7-4	305	27,295	3 1	865	3 4	941
37	GrH	4-5	305	29,221	2 9	853	3 9	1144
Buddy	GrH	4-4	305	24,278	3 2	791	3 1	1016
Warren Z Good								
Vanita	GrH	5-7	305	29,168	2 9	857	3 1	916
Laina	RH	5-2	305	25,475	3 2	816	3 2	825
110	RH	8-6	305	26,491	3 0	805	3 8	1024
Walnut Run Farm								
530	RH	5-11	305	27,862	3 0	857	3 0	848
Weaver Homestead Farm								
34	GrH	5-2	305	30,137	2 8	855	3 8	1157
5	GrH	3-8	305	30,962	2.7	849	3 7	1157
18	GrH	7-8	305	29,229	2 9	848	4 2	1228
64	GrH	3-3	305	29,113	2 9	847	3 8	1112
16	GrH	4-7	305	27,343	3 0	821	4 5	1248
Leonard J Stoltzfus								
Kellogg	RH	7-3	305	24,847	3 4	854	4 0	1008
Welk Acres Farm								
Hazel	RH	6-1	305	26,815	3 1	853	3 3	906
Richard G Wenger								
Jan	RBrSw	6-3	305	25,891	3 2	853	3 9	1019
John H Howard								
Alice	RH	2-5	305	25,519	3 3	853	3 9	1008
Shasta	RH	5-6	305	27,561	3 0	849	3 4	956
Roxann	RH	3-0	305	26,744	3 0	824	3 3	901
Brandyvale Farm								
Salome	RH	4-7	305	23,820	3 5	852	3 9	929
Rohrer Brothers								
Lady	RH	5-3	305	27,801	3 0	850	3 9	1090
Aaron R Zeiset								
13	RH	3-2	305	30,145	2 8	847	3.1	933
Kenneth R Zimmerman								
45	GrH	3-5	305	28,665	2 9	847	3 5	1009
1	GrH	5-6	305	25,684	3 1	817	3 8	994
Lester C Stoltzfus								
Wanda	GrH	3-11	305	26,673	3 1	843	4.1	1109
Carl L Eberly								
77	GrH	3-0	305	26,555	3 1	843	3 3	878
Kenneth E Zurin								
843	RH	3-3	305	24,990	3.3	842	3 3	847
570	RH	5-4	305	27,721	2 9	813	3.6	1004
898	GrH	2-11	305	20,904	3 7	791	4 4	924
Elvin L Kurtz								
Mona	RH	4-9	305	22,274	3.7	842	4.1	925
Clair Good								
Brine	GrH		305	27,081	3.1	841	3 2	872
Lenewood Farm								
Locket	RH	7-0	305	27,107	3.1	840	3 0	813
Carly	RH	6-2	305	28,993	2.8	837	3.0	890
June	RH	4-6	305	27,788	2.8	787	3.1	869
Graywood Farms								
79	GrH	3-1	305	26,355	3.1	840	3.5	932
38	GrH	7-1	305	28,075	2.9	821	3 0	848
185	GrH	6-0	305	27,536	2 9	816	3.9	1017
489	GrH	5-2	305	24,759	3 1	781	3.0	749
Best Bros								
69	GrH	4-3	301	24,828	3.3	840	3.1	792
54	GrH	3-9	305	25,406	3.1	807	3.4	863
Wea-Land Farm								
Natlie	RH	4-2	305	26,081	3.2	839	3.9	1021
P Robert Wenger								
Deena	RH	6-10	305	25,711	3 2	838	3.5	918
Timothy Kurtz								
88	GrH	7-3	305	26,751	3.1	837	3.5	942
25	RH	4-1	305	24,499	3 2	786	3.1	772
Ivan Z Beiler								
Bubbles	RH	7-0	305	25,324	3 2	832	4.1	1050
Titus B Stoner								
Maebel	RH	3-10	305	25,973	3.2	830	4.1	1076
Samuel E Beiler								
Silvia	RH	4-10	305	25,423	3 2	829	3.3	859
Nelson W Nolt								
76	RH	4-3	305	26,185	3.1	827	3.3	883
37	RH	5-5	305	26,136	3 0	799	3.8	1011
Alvin W Sensenig								
5	RH	5-1	305	22,961	3.6	827	3.6	829
41	GrH	7-0	305	26,547	3.0	814	3.5	938
Robert W Ulrich Jr								
Dottie	RJ	4-10	305	22,205	3.7	826	3 8	1075
Elmer B Beiler								
2	GrH	6-7	305	27,100	3 0	825	3 1	848
John S Zimmerman								
15	GrH	5-8	305	28,338	2 9	824	3.9	1108
David K Stoltzfus								
Patty	GrH	4-4	305	25,552	3.2	819	3.4	880
Harvey W Stoltzfus								
Tiny	RH	6-9	305	25,028	3.2	819	3.9	991
Elmer M High								
17	RH	5-11	305	27,049	3.0	818	3.6	999
7	RH	3-5	305	26,598	3.0	809	3.2	858
11	RH	4-6	305	26,683	2.9	792	3.8	1024
49	RH	3-7	305	24,709	3.1	785	4.0	989
J Floyd Kreider								
68	RH	8-0	305	27,867	2.9	817	3 7	1030
Walter M Hurst								
123	GrH	5-0	305	27,719	2.9	817	3 3	935
Tom Zartman								
131	GrH	4-3	300	27,052	3.0	816	3.5	966
270	GrH	3-3	305	25,998	3.0	781	3 6	950
Kevin S Smoker								
Katrina	RH	2-10	305	25,931	3.1	816	3.1	804
Floyd Kreider & Son								
85	RH	4-7	305	26,358	3 0	815	3.5	927
Daniel K Kauffman								
Avis	RH	3-2	305	25,302	3.2	815	3.0	780
Harry L Troop								
Pretty	RH	5-11	305	28,150	2 8	813	3.7	1041
Running Springs Farm								
Janie	GrH	5-4	305	24,948	3.2	813	3.5	888
Ginary	GrH	3-2	305	27,021	2.9	808	3.3	908
Vallie	RH	5-8	305	23,663	3.3	783	3.7	886
Sun Crest Farms								
Lisa	GrH	5-5	305	24,992	3.2	812	3.1	788
Noah Kreider & Sons								
316	GrH	6-0	305	25,289	3.2	810	3.7	941
Penn Har Va Farms								
WendaJO	RH	5-4	305	24,126	3 3	808	3.1	762
G M Weaver								
Blossom	RH	3-11	305	26,526	3.0	807	3.1	822
Swamp Meadow Farm								
Fancy	RH	4-5	305	24,979	3.2	806	3 5	886
Merrill E Nolt								
36	GrH	4-4	305	24,937	3 2	806	3 2	799
Donald R Bare								
2	RH	4-8	305	23,683	3.4	806	3 4	812
57	RH	3-3	305	24,088	3.2	775	3 8	928
Phares J Burkholder								
3	GrH	6-2	305	26,165	3.0	804	2 8	757
Marlin R Beiler								
Lucille	RH	4-2	305	26,943	2.9	803	3 3	914

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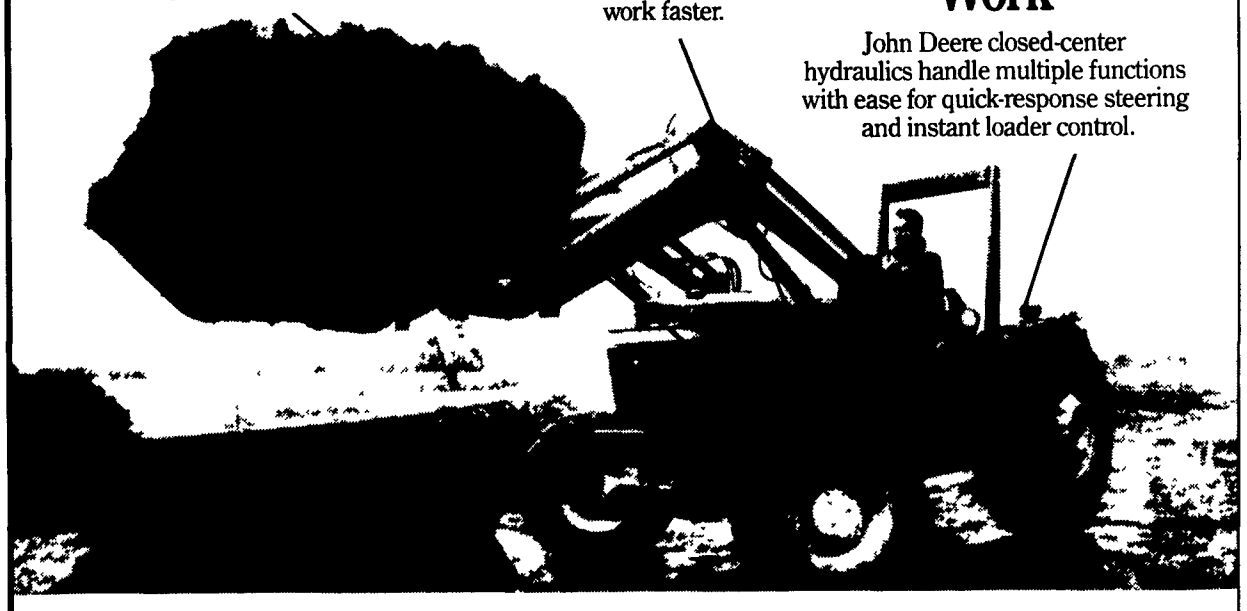

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LEADERSHIP AT WORK

Amos N Martin								
Pris	GrH	5-4	305	25,448	3.1	803	3.8	990
John R & Rick Groff								
Delight	RH	4-2	305	22,861	3.5	802	4.0	920
Jake E Stoltzfus								
Gay	GrH	4-5	305	27,415	2.9	801	3.1	860
Trout Spring Farm								
Diane	RH	5-4	305	27,337	2.9	799	3.4	948
Grassy Ridge Farm								
Pam	RH	3-11	305	26,028	3.0	799	3.5	931
Jonas E Stoltzfus								
Sandie	RH	5-1	305	25,558	3.1	799	3.6	925
Homer G Hess								
Maude	GrH	4-7	305	24,360	3.2	796	3.4	837
Amos C King								
Princes	GrH	6-2	305	27,199	2.9	795	2.9	789
Ivan Zook & Sons								
226	RH	4-4	305	24,362	3.2	793	3.2	798
David & Sylvia King								
Louise	GrH	7-2	305	27,571	2.8	792	3.0	847
Mer-Land Farm								
Ella	RH	4-6	305	26,442	3.0	792	3.7	983
Susie	RH	8-3	305	27,536	2.8	774	3.5	977
John K Peters								
Marigold	RH	4-11	305	24,374	3.2	789	3.7	908
LeRoy M Stoltzfus								
Lottie	RH	2	305	25,733	3.0	788	3.2	840
Dal Car Farm								
109	GrH	3-0	305	25,617	3.0	788	3.5	898
100	GrH	3-2	305	22,290	3.4	775	4.1	914
59	GrH	4-3	305	22,702	3.4	772	3.8	864
El-Dell Farm								
Regina	RH	6-5	305	25,080	3.1	788	3.9	1000
Edgefield Farms								
Olive	RH	5-11	305	24,639	3.1	787	3.3	813
Kreider's & Nickle								
154	RH	6-5	298	24,846	3.1	786	3.1	781
Kreider Dairy Farm								
54	GrH	3-0	305	24,786	3.1	786	3.4	859
Paul S Horning								
Jackie	GrH	4-3	293	26,189	2.9	782	3.8	1018
Robert N Brandt								
57	GrH	6-5	298	25,302	3.0	782	3.7	956
Jay Richard Groff								
92	GrH	3-10	299	24,752	3.1	782	3.8	947
Samuel B Lapp								
Manan	RH	3-8	305	23,401	3.3	782	3.7	874
Harvey Z Reiff								
Doreen	GrH	7-2	305	25,951	2.9	777	3.6	952
Ar-Len Farm								
Etta	RH	5-1	305	26,197	2.9	776	3.4	903
Kenton L Swelgart								
35	RH	4-7	305	25,483	3.0	776	3.1	796
Douglas L Hawthorne								
121	GrH	3-3	305	22,097	3.5	776	4.5	1001
Axel Linde & Mildred Widmann								
Nugget	RG	5-1	305	22,015	3.5	776	4.4	978
Dale R Hershey								
Heather	RH	3-1	305	25,188	3.0	774	3.5	889
Loren L Zimmerman								
Naomi	RH	3-7	305	24,809	3.1	774	3.8	965
Vernon N Martin								
Janice	RH	5-11	305	24,757	3.1	774	3.5	883
Sandra Frey Thomas								
Daphne	RH	4-9	298	25,202	3.0	773	3.5	904
Paul H Rohrer & Sons								
4	GrH	3-4	305	24,912	3.0	771	3.9	973
Ammon E Reiff								
Betty	RH	5-2	305	23,665	3.2	771	4.2	1007

TIOGA COUNTY DHIA
October 1990
Rolling Herd Average

Name	Brd.	No. Cows	% Days in Milk	Milk Lbs.	Fat Lbs.	Protein Lbs.
Glenn Bowen	3	39.7	90.1	21,025	743	701
Emery-Rick Davis	B3	56.9	87.0	21,582	796	693
Don Mattison	B3	15.4	84.1	22,102	727	683
L & J Holsteins	3	38.6	85.9	21,029	812	672
Mike Buckwalter	3	51.2	81.8	21,158	769	667
Gor-Wood-D Mark	3	170.1	83.7	20,779	725	662
Heater	B3	45.4	87.2	20,360	696	645
Charles&Doris Porter	3	49.9	87.3	20,171	755	642
Doug+Jenny Lawton	3	62.9	88.9	19,957	750	641
Fred Pazzaglia #2	G3	43.1	81.7	20,026	699	639
Double B Farm	3	56.5	84.5	20,214	753	637
Terry & Linda Long	B3	34.5	86.5	20,012	701	631
William Chamberlain	3	49.1	89.2	19,673	710	629
Darwin + Susan Brace	B3	33.3	89.7	19,309	683	613
Schmelway Farms	3	48.7	88.6	19,471	719	612
Glen S Layser	B3	37.8	88.8	19,029	741	607
Thomas&Brenda Pepper	B3	37.6	88.5	18,522	622	606
Robert+Janice Landis	B3	38.0	86.1	19,103	635	602
Sweetbriar Acres	B3	86.6	89.2	17,898	666	598
Sassafras Holsteins	B3	51.2	85.0	19,011	655	598
Roy A Schanbacher	3	67.3	84.8	18,319	664	596
Fred Pazzaglia #1	G3	56.9	86.0	18,002	620	594
Tom Gruver	B3	52.7	91.9	18,478	646	594
Bernard G Courtney	3	174.4	90.5	18,007	696	586
Clifford Brace	B3	54.8	85.2	18,267	664	586
Walter Sampson	B3	16.9	94.7	19,535	644	579
Lewis Gardner	B3	46.1	87.7	17,668	653	579
Robert Shanley	3	73.8	87.5	17,938	644	578
James Ebersole	G3	40.4	85.0	17,542	636	576
Gerald Hurd Jr	G3	53.9	89.5	18,507	636	574
Robert L Miller	B3	84.8	83.4	18,427	638	573
Allan J Lilley	B3	40.0	90.2	17,634	636	571
Dave+Donna Cleveland	G3	45.9	84.2	17,904	628	571
Harold Robson Jr	3	58.1	85.8	17,575	633	569
Clark Bowen & Son	3	42.5	87.0	18,243	682	567
Silverlea Farm	G3	78.3	86.6	17,218	627	567
Bill Peoples	B3	26.2	89.5	17,605	634	565
Larry & Mary Herman	B3	79.4	88.1	18,054	608	565
Lawrence Egleston	B3	51.2	89.4	18,262	617	564
Bob & Karen Butler	B3	40.1	84.2	18,007	643	564
Merl + Randy Preston	B3	45.4	89.3	17,652	738	563
Vernon H Good	G3	50.5	88.4	18,054	631	563
By-Way-Jersey	4	44.8	83.0	15,428	712	561
Timmerill Farms	B3	65.3	85.2	17,909	629	560

Lactation Report

Gor-Wood-D					
Bloomer	8-1	305	35,114	1000	1025
Daphne	4-2	305	28,661	1042	913
Sharon	5-6	305	28,817	1947	822
Prdonna	8-4	291	26,548	909	793
Robert & Janice Landis					
Jenny	6-5	305	27,815	864	834
Emery-Rick Davis					
Annette	11-5	305	27,899	939	849
Nancy	7-0	305	23,468	948	784
Trysu	4-3	305	25,459	912	758
Terri	5-11	305	24,363	901	756
Mike Buckwalter					
Ivy	3-0	305	25,263	1035	75
Bob & Karen Butler					
Metta	4-9	305	24,712	861	801
Double B Farm					
Alberta	7-0	305	26,384	966	775
Clark Bowen & Son					
Nell	3-2	305	22,211	1020	787
L&J Holsteins					
Sherri	6-11	305	23,510	1028	766
Missy	4-5	305	25,238	963	754
Middle Ridge Farm					
13	5-3	305	24,597	925	752

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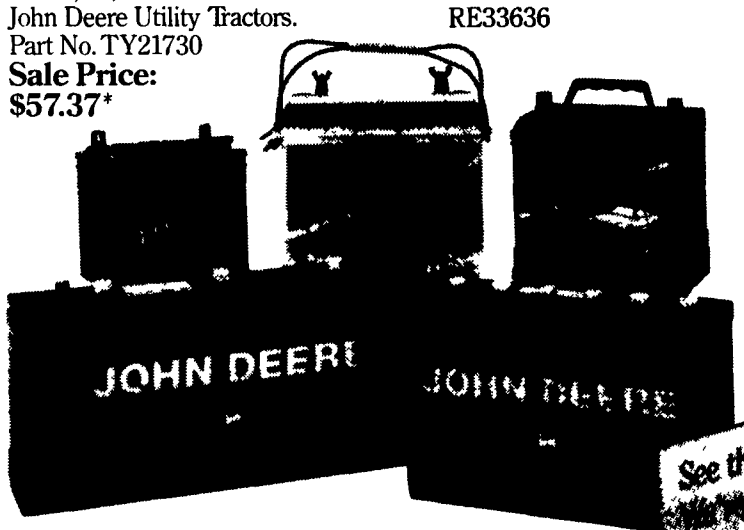

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Shane Henry Cumberland Co. Distinguished Service

Shane Henry

Shane Henry, 31, is a familiar sight when he drives his dark brown 1989 Ford Ranger Pickup into the farm lane in Cumberland County. For the past 7½ years he's been a DHIA supervisor.

And though Henry has been presented with merit awards for his work every year, this year he has been given the Distinguished Service Award.

A native of the area, he grew up on his father's dairy farm. His father still has 26 registered Holsteins that are on test, though someone else tests them, not Henry.

Though neither his father nor any relatives or friends were employed by Pa. DHIA, he became involved in the program after graduating from college in 1982.

"I always wanted to work with the dairy industry in some capacity and I applied for this job when it became available," he said.

Single, he rents a house on one of his father's farms in the southwestern part of Cumberland County and serves about 43 dairymen, the majority of whom are on AM-PM testing, 18 on DHI test and eight who use the owner-sampler program.

To receive the award he had to meet criteria that included neatness and appearance, care of equipment, attention to detail and cooperation with dairymen.

"I was happy and proud" to receive the one-time regional award, he said.

"I've always tried to do the best job I can do. No matter what it is I do, I'd just as soon do it right and as well as I can, or not do it at all," he added.

In April he and the other supervisors began changing territories in the county so he's getting to be a familiar face to even more of the south central dairymen, something he said he enjoys immensely.

"I have a lot of dairymen ask me for advice. They like to know what works for other people," he said. "They are always asking about breeding and feeding, you pick it up along the way. You get in to see different farms and see what's working."

Nelson Kreider Lancaster Co. Distinguished Service

Nelson Kreider

Going over the records and spending time to help dairy farmers increase their profitability has garnered DHIA supervisor Nelson Kreider of Lancaster the Pennsylvania DHIA Distinguished Service Award.

Kreider, who manages District 17 (including 61 farms in Strasburg, Paradise, and Ronks), began with the Pennsylvania DHIA more than 12 years ago. He said he enjoys helping farmers improve their herd averages.

"The DHIA provides the farmers with help in feeding and milking their herd," said Kreider. "The herds stay with me, even when times are rough."

Ralph Rudy Centre Co. Hollinger Award

Ralph Rudy

As of June 1991, Ralph Rudy, 58, of Rebersburg, Centre County, will have been with DHIA six years. But what he brings to his job as supervisor is 28 years experience milking his own herd.

Since 1957 he had all his registered Holsteins on test.

But milking cows came to a halt when he had knee surgery. He opted to stay in the dairy industry and applied for a job with DHIA.

He apparently has been doing a good job. Ralph is this year's recipient of the coveted Hollinger Award.

The Hollinger Award is presented to those who, in the judgement of the DHIA Central Milk Testing Laboratory, demonstrate excellence in neatness and accuracy of samples and barnsheets.

The engraved desk set that the winner (one in the state) receives is on display in his house, "Right on top of our desk where we can see it every day," he said. "I was pretty proud to get it."

But Ralph isn't the only one at home who works for DHIA. His wife Joanne and he both test take samples. "My wife and I have 39 herds," Ralph said.

"I learned from Gary Homan, and he is an auditor in the lab now, and he always did a good job and I want to try to keep up wih the way he did it."

Homan never got a chance to test Rudy's old herd, "But he grew up and went to school with my kids," Ralph said.

Ralph said the Hollinger Award and the other awards of recognition that are presented by DHIA are good incentives for all supervisors.

"I think it's great that people can look up to that, and build confidence in their work. I'm just thankful that that man (Carl B. Hollinger) or his family set it up so that it goes out to a supervisor in a given area that qualified for it.

"In Centre County people weren't eligible for the award until they started the truck route two years ago. Before that, they (the milk samples) were hand delivered."

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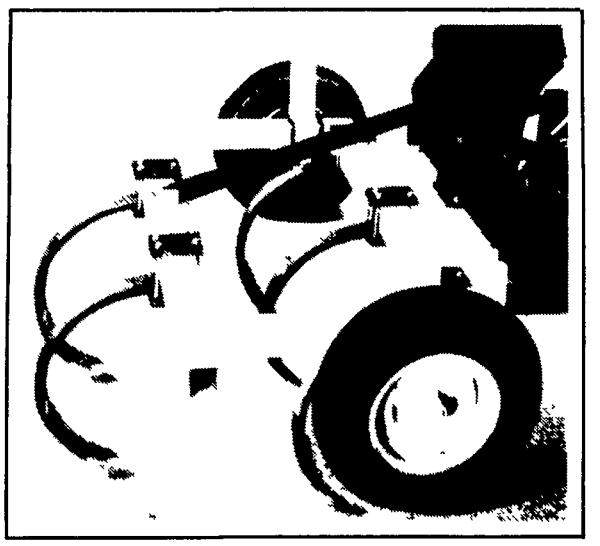
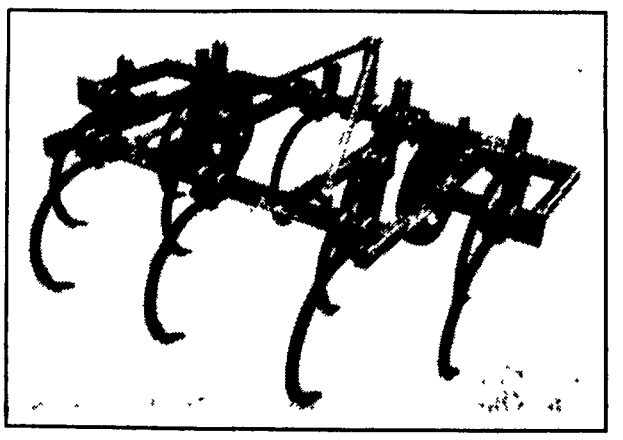
ROLLING ON...IN THE 90's Brillion MEETS THE CHALLENGE

2-BAR & 3-BAR MOUNTED CHISEL PLOWS



The models are offered with 1"x2"x26" shanks with either rigid or spring clamps. Units are available with 5 rigid or 5 spring type 26" shanks or 7 rigid or 7 spring type 26" shanks. Options available are: 5/8"x2"x15" Chisel Points and 3/8"x3"x19½" Twisted Shovels. Gauge wheels are also available as optional equipment.



11 Ft. mounted chisel plow with 32 inch shanks and spring clamp assemblies with gauge wheels and reversible regular chisel points.

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ROLLING ON... IN THE 90's Brillion MEET THE CHALLENGE

Rolling Herd Average: 20,000-22,000 Pounds (517 Herds)

L#	SCC	LS	Days Open	PTA Milk	PTA Fat	PTA Protein
1	2.5		125	+430	+16	+13
2	2.4		128	+383	+14	+11
>2	3.1		135	+87	+4	+3

	Lactation 1					Lactation 2					Lactation 3 or Greater				
Test#	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC
1	60.0	3.8	3.0	5.00	228	82.0	3.7	3.0	4.10	191	86.3	3.8	3.0	3.98	333
2	65.7	3.4	2.9	4.78	154	85.8	3.3	2.9	4.18	178	92.3	3.3	2.8	4.02	311
3	65.4	3.4	3.0	4.80	162	82.2	3.3	2.9	4.35	194	88.7	3.3	2.9	4.16	333
4	63.7	3.4	3.0	4.86	164	77.6	3.3	3.0	4.45	203	83.6	3.3	3.0	4.33	358
5	61.7	3.5	3.1	4.93	169	72.9	3.4	3.1	4.57	204	78.0	3.4	3.0	4.49	378
6	59.4	3.5	3.2	5.00	178	68.1	3.5	3.1	4.69	223	72.1	3.5	3.1	4.62	379
7	57.1	3.6	3.2	5.04	176	62.8	3.6	3.2	4.83	220	66.0	3.5	3.1	4.82	393
8	54.5	3.7	3.3	5.13	177	57.2	3.6	3.3	5.03	236	59.6	3.6	3.2	5.04	398
9	50.5	3.8	3.3	5.27	186	50.3	3.7	3.3	5.37	253	51.9	3.7	3.3	5.36	414
10	44.1	3.8	3.4	5.62	186	40.9	3.8	3.4	5.94	271	42.5	3.7	3.3	5.95	428
11	35.4	3.9	3.4	6.22	180	31.8	3.9	3.5	6.74	316	32.4	3.8	3.4	6.81	464
12	29.3	4.0	3.5	6.85	215	25.1	4.0	3.5	7.86	319	24.1	3.8	3.4	8.08	485

Rolling Herd Average: 18,000-20,000 Pounds (1199 Herds)

L#	SCC	LS	Days Open	PTA Milk	PTA Fat	PTA Protein
1	2.6		127	+341	+13	+10
2	2.6		126	+272	+10	+8
>2	3.3		131	-8	+1	0

	Lactation 1					Lactation 2					Lactation 3 or Greater				
Test#	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC
1	56.3	3.7	3.0	5.03	247	76.2	3.7	3.0	4.21	219	80.8	3.8	3.0	4.12	376
2	61.6	3.4	2.9	4.84	178	79.5	3.3	2.9	4.28	203	85.7	3.3	2.8	4.15	343
3	60.9	3.4	2.9	4.88	182	75.6	3.3	2.9	4.45	220	81.7	3.3	2.9	4.31	374
4	59.2	3.4	3.0	4.93	176	71.4	3.4	3.0	4.57	235	76.5	3.3	3.0	4.49	402
5	57.0	3.5	3.1	4.98	192	66.9	3.4	3.1	4.69	248	71.4	3.4	3.0	4.62	402
6	54.9	3.5	3.1	5.05	184	62.1	3.5	3.1	4.84	252	65.9	3.5	3.1	4.77	415
7	52.7	3.6	3.2	5.12	188	57.3	3.5	3.2	4.99	266	60.2	3.5	3.1	4.95	417
8	50.1	3.7	3.2	5.19	194	51.4	3.6	3.3	5.26	271	53.9	3.6	3.2	5.23	434
9	46.2	3.7	3.3	5.41	191	44.7	3.7	3.3	5.68	296	46.5	3.7	3.3	5.64	455
10	40.0	3.8	3.4	5.83	197	36.4	3.8	3.4	6.40	319	37.5	3.7	3.3	6.32	477
11	32.7	3.9	3.4	6.48	219	28.2	3.9	3.5	7.28	324	28.7	3.8	3.4	7.27	505
12	25.8	4.0	3.5	7.49	225	21.2	4.0	3.5	8.66	330	21.0	3.8	3.4	9.02	534

Rolling Herd Average: 22,000 Pounds or Greater (90 Herds)

L#	SCC	LS	Days Open	PTA Milk	PTA Fat	PTA Protein
1	2.5		130	+453	+16	+14
2	2.4		131	+417	+15	+13
>2	3.2		139	+154	+7	+6

	Lactation 1					Lactation 2					Lactation 3 or Greater				
Test#	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC	Milk	Fat	Pro	F$/CWT	SCC
1	64.6	3.8	3.0	4.77	241	89.2	3.7	3.0	4.04	163	93.6	3.8	3.0	3.96	340
2	72.3	3.4	2.9	4.57	160	94.7	3.3	2.8	4.09	186	101.3	3.3	2.8	3.95	345
3	72.6	3.3	3.0	4.66	154	91.6	3.2	2.9	4.26	176	98.6	3.3	2.9	4.09	372
4	71.4	3.4	3.0	4.67	176	87.0	3.3	3.0	4.38	184	93.5	3.3	2.9	4.24	373
5	69.1	3.4	3.1	4.72	182	81.6	3.4	3.0	4.53	217	87.5	3.4	3.0	4.36	383
6	66.8	3.5	3.1	4.80	184	76.0	3.5	3.1	4.64	255	80.9	3.4	3.1	4.54	397
7	64.6	3.5	3.2	4.79	216	69.5	3.5	3.2	4.80	252	74.4	3.5	3.1	4.71	402
8	61.4	3.6	3.2	4.88	178	64.2	3.6	3.2	4.92	254	67.7	3.5	3.2	4.94	419
9	57.6	3.7	3.3	5.07	209	57.1	3.7	3.3	5.25	253	59.0	3.6	3.2	5.24	440
10	51.5	3.8	3.3	5.34	186	47.3	3.8	3.4	5.80	293	50.1	3.7	3.3	5.72	446
11	43.5	3.9	3.4	5.79	202	37.5	3.8	3.4	6.44	275	40.3	3.8	3.4	6.42	519
12	34.0	4.0	3.5	6.57	214	27.5	3.9	3.5	8.06	367	26.8	3.8	3.4	7.93	482

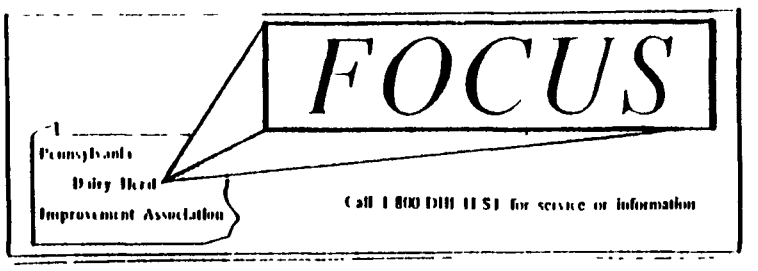
Core Parameters Tables

(Continued from Page 14)

ages is a more detailed table. This shows the average milk, fat, protein, raw SCC, and feed cost per hundredweight of milk for each test throughout an entire year.

Since the characteristics of cows of different ages vary considerably, all of the information is shown for first lactation, second lactation, and third and greater lactation animals.

These tables show more than just simple year-end average data. Because they actually provide a breakdown of those statistics pertinent to particular categories of producers, the aim of these summaries is to allow dairy farmers, veterinary practitioners and agribusiness consultants the opportunity to establish reasonable goals for dairy herds during the coming year. DHIA will continue to expand the breadth and detail of the information it makes available in the core parameter categories. We hope you will find these tables of value.



John Rolar Cumberland Co.

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John Rolar

John Rolar, Cumberland Co., manages his own 100-acre dairy farm, with 70 head of Holstein.

Rolar has been with the Pa. DHIA as supervisor for 10 years. The DHIA has helped him "understand records a whole lot more" and contributes to his knowledge and understanding of record keeping, equipment operation, and "knowing what works and what doesn't work." He has received a Merit Award for nine years.

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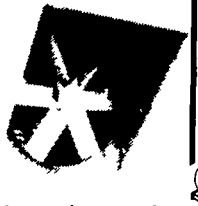

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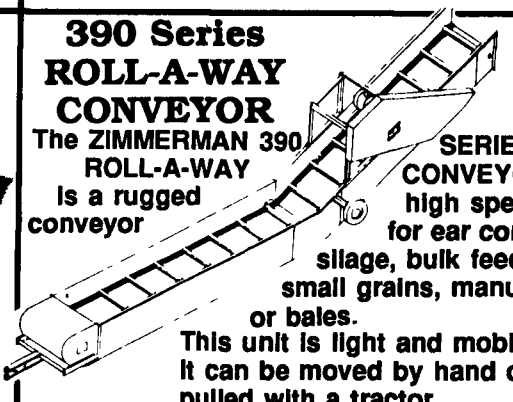

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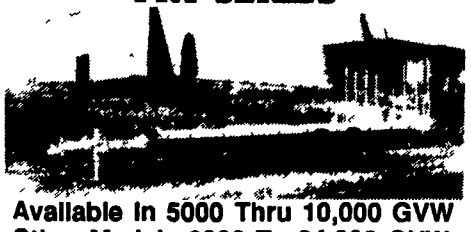

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Body Condition Scoring, An Important Dairy Farm Tool

(Continued from Page D15)

pregnant and then we have the client body score the cows at approximately 200 days of lactation in order to assess whether or not the cows need to gain more weight during their last third of lactation. They body score them at the time of drying off in order to ensure that they have gained the necessary weight that they will need for the next lactation. Also, the body condition score at the time of drying off becomes very important because when we body score them the day they calve, we can get an assessment of whether they have lost or gained weight during the dry period. We are not necessarily trying to get cows to gain a lot of weight during the dry period but it is extremely critical to have these cows not lose weight during the dry period. Again, there is research that shows cows that lose weight during the dry period don't peak as well as they should and they also have reproductive problems. These same cows if they lose weight during the dry period have an accelerated weight loss in the first month after calving. There has been a published report out of Cornell University showing that cows that loose body score of 1.5 or greater during the first month after calving have a conception rate of 17% or less on first service. Normal conception rate in the Northeast and in Canada should run around 55-60%. Thus, you can see that there is a dramatic difference between the normal conception rate and the conception rate for those cows who lose extreme amounts of body weight after calving. Thus, we have to monitor the cows' nutrition program during the whole year not just during the first month or two after she calves. It becomes extremely important to monitor these cows during the last 100 days of their lactation in order to have them gain the necessary weight for the next lactation and then have a specific dry cow program so they do not lose that weight during the last part of the dry period.

If we try to feed dry cows according to the National Research Council's recommendations, they are prone to lose weight during the last three weeks before calving because these recommendations don't seem to take into account the demands that the growing fetus makes on the mother and thus, they have a tendency to lose weight. I will try to come back to this in another article and we will talk about dry cow management and some of our thoughts on feeding dry cows.

Now that we know when to body score, what kind of scores are we looking for during different stages of lactation? We like cows to go dry and to calve with a body score of about 3.5-4.0. During the first month, the body score will drop about 0.5-0.75. In other words, for a cow that calves at 4.0, we would like to have her down to 3.25 by the end of the first month and then by the time she reaches peak at about 70 days, she will have fallen down to about 2.7-3.0. This is a nice controlled body weight loss. Thus, we should be breeding cows with a condition score of 2.70-3.0 and then starting at about 150-180 days after calving, they should be back up to 3.2 and then, by the time they go dry, they should be back up to 3.5-4.0 We are now talking about groups of cows and there are some cows out there, just like people, that you can not fatten. These cows are what we call "super cows" because they seem to be able to maintain a thin body condition and still perform a normal lactation and breed back normally. These cows, if you measure feed intake, have tremendous appetites and far out eat what we consider the normal cow as far as roughage consumption is concerned.

In the past, people have said that we should weigh and measure heifers and put them on a growth chart and I highly recommend this. There are some people now who measure the heights of heifers and body condition score them instead of weighing them. I feel his is a quicker and more accurate way of assessing a heifer program. We do not like to have young heifers with a greater than 3.0 body score but rather prefer to keep them around 2.7. There have been several reports that show that young heifers that are too fat at the time they reach puberty, lay down excess fat in the udder and these replace the epithaelial that produce milk. These animals give approximately 27% less milk than they would have if they had not been over fed in energy. This explains why some of our heifers raised on corn silage have gotten too fat and have never really performed as well as they should have. Once a heifer is pregnant, then we try to increase her body score up to 3.2% at the time of calving but not any heavier than that. I have stated that she needs this energy reserve in order to reach peak production but when we look at the lactation curves, heifers don't peak as high as cows so they don't have this tremendous need for an energy reserve the same as older cows. Also, heifers, because they have not calved before, have a narrower pelvic canal and if we get them too fat, one of the places that they will store this fat is in the pelvic canal and will give us more problems at the time of calving. So remember, growing heifers — a condition score of 2.7-3.0 and then have them up to about 3.0-3.2 at calving and if we treat springing heifers like older cows and put them on a dry cow ration 6-8 weeks before calving, they seem to come on feed better and they still follow a normal lactation curve.

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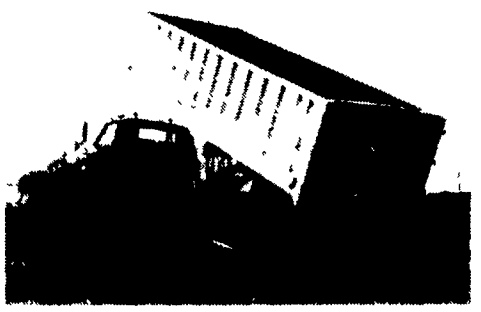

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Pennsylvania DHIA Field Services

(Continued from Page D13)

the areas of feeding, breeding and animal care.

Marketing and Promotion

Probably the most enjoyable aspect of the Field Services division of PA DHIA is that of marketing and promotion of our programs. Each report generated and each option a member chooses has enough unique value to pay for the cost of the whole service. We recognize that increased knowledge about using our records effectively as well as information about new programs is vital to your success as a manager. We are continually searching for effective ways to increase members' profits through the use of our records. We are presently conducting a study of milk market incentives that can be attained by effective management and DHIA records. One of the most prominent incentives is paid for low somatic cell herds. Our Somatic Cell Report lists individual cow contributions to the bulk tank SCC and use of the report can help effectively control milk plant somatic cell levels. At least one marketing coop is assisting dairymen members with their DHIA costs. We want to be able to pass this kind of information on to you.

Sire stud incentive plans for young sire usage is another area where savings can result. We are currently putting together a revised list of the sire studs and their respective plans. We hear often of dairymen saving several hundred dollars a year through sire progeny progtrams. Our new heifer management program will really pay big dividends from accurate, up to date heifer herd management. It will aid dairymen in the areas of breeding, culling and merchandising.

The field staff is prepared to assist dairymen, county agents, veterinarians and nutritionists with the explanation and interpretation of DHIA data and reports.

Records Workshops

Our goal for the next three months is to conduct 100 member records workshops across the state. Plan to host one or at least call and request one in your neighborhood. These will be in the form of kitchen "klutches", fireside chats or county dairy days. Some of these workshops will be more formal than others, but the information imparted is always important and geared toward increased knowledge of herd management skills through effective use of DHIA records.

Darrell Brumbaugh Blair Co. Distinguished Service

A review of what the Pa. DHIA "feels the ultimate supervisor is" provided Darrell Brumbaugh, of Martinsburg, Blair Co., with the DHIA's Distinguished Service Award.

Brumbaugh, who manages 51 herds in Region 2, has been a DHIA supervisor for 12½ years and has won a Merit Award for each of those years.

Darrell Brumbaugh

Keeping the records accurate and timely for each farm helped achieve the honor. Brumbaugh attributes part of the honor to what he believes is his "main vocation" — DHIA supervisor.

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Old english sheep dog male 5 yrs old, purebred AKC paper for slight charge 5 yr female collie, very friendly, purebred, no papers Make offer 717-694-3485

Hydraulic tilt, cattle hoof trimming, table and business 814-349-5054

Pig heating mat, Do 24x48 fiberglass asking $50 70 old barn siding 1x12x16'0" Asking 39¢ Bd Ft Herman A Dunker, 4701 Fawn Grove Road, Pylesville, Md 21132

Cider press small with chopper and hydraulic press Bucks Co eves 215-346-8149

New Ideal model 400 5 bar hay rake, all new rubber teeth, exc $800 John Deere 894 hay rake all new teeth & paint ex $925 Case 5 bar all new teeth & paint ex. $750. Montg Co 215-679-7763

30' road trailer for storage, single axle $500 Located Rt #1 & 695 Balto, Md 301-665-7573

12 65# weigh jars and samplers 150 or best offer Salem Co New Jersey 609-935-5657

International 10 HP tractor, mower, snow blade, vacuum system $1500 Bobcat Commercial walk behind push mower $150 Eves Delaware Co 215-459-8154

300 round bales of real nice Timothy & bromegrass hay $58/ton Franklin Co 717-263-8091

Two seated Mennonite carriage on rubber fair cond $1500 or give offer 215-445-5832

Horse trailer twelve horse slant rear tack front, dressing room, used three months ex cond $18,500 BO. Call Bill 609-466-3426

AC 6080 tractor dual outlets, 540 and 1000 RPM 85 HP like new tires, weights all around $12,500 Juniata Co 717-527-2387

Home raised chickens 6 hens ready to dress, were chicks in June. Broiler meat birds Lanc Co 717-872-6793

JD farm tractor 420T new tires, engine, paint, 3 pt hitch, 12V system, aux hydr $2950. OBO Lack. Co. 717-282-1047

UKC American Pit Bull terriers ready X'max AKC great danes ready X'mas Two pits ready now Will hold Somerset Co 814-267-4744

New F12 hood, gas tank $65 00 Fuel pump $65 00 F12 service manual $22 F12 fender set $175 F12 front steel Ben J Kisinger, RR 1 Box 234A, Meyersdale, PA 15552

Part JD 440 radiator, blower, ripper, pistons (hydraulic), valves for bucket arms & frame for bucket Bucks Co 215-536-6800

Executive oak swivel chairs padded $125 each padded oak arm chairs $99 each Bucks Co 215-536-6800

New Holland hay baler 310 with 70 thrower, 256 hay rake, rubber teeth 36' Zimmerman elevator Cumb. Co 717-776-5890.

Good used fuel oil tank 275 gal. oval type with legs and filler pipes, also wire cages, rabbit pens Leb Co. 717-866-2406.

Viking sewing machines for sale and service, see Earl at Green Dragon, we have good used ones or call 717-866-5555.

Nuffield tractor 465 new 18.4-38 tires w/snow plow very good $3200. Del Co., NY. 607-746-3697.

Bed liner & tailgate protector to fit 1985-1990 full size Ford pickup very good cond. $150. Leb Co. 717-865-4988.

Jack donkey 10 mo old $125. Cecil Co, Md. 301-378-3210.

NH 268 baler $975, KBA transport disk harrow $595, 3PT 3 bottom plow $150, 200 Farmall tractor $1475, NH hay rake $650 717-354-0266.

Delaval model 76 vacuum pump, 3HP motor, used 2 yrs. 35 CFM $650. Susq. Co. 717-465-7506.

Mama's pizza/ stromboli recipe, choice toppings, homemade sauce, $4 SASE- Cosi, PO Box 1780, West Chester, PA 19380.

Good timothy horse hay $80/ton or by the bale York Co. 717-292-1924.

Cow trainers new in box 40+ $1 each. Lanc. Co. 717-656-2128.

Ag bagger, silo press XP2, w/hopper. Also Int. 560D tractor. Both good cond. Levi King, 133 N Lime St, Quarryville, PA 17566.

Australian cattle dogs, 8 wks. tri-colors, 3 males, 3 females, mom & dad on premise 717-385-9019.

Honda engine generator battery charger model EG650, $200. Lanc. Co. Aaron S. Nolt, 178 South Shirk Rd., New Holland, Pa 17557 717-354-6727.

Chihuahua puppies for sale, excel. Christmas gifts Amos B. King, 904 Vintage Rd., Christiana, Pa. 17509, Lanc Co.

NI Uni w/4 row picker, combine, chopper, sheller, IH 1466 w/7 btm. plow, $10,700. Centre Co 814-364-9926.

Bike Redline RL20 boys free style bicycle, cost $350, like new, barely used white & chrome $150. Lanc. Co. 717-656-9839.

Dvorak iron worker 25T w/6 punches & 12x36 metal lathe. Lanc Co. 717-733-2584.

8 yr old standardbred mare buggy horse, traffic safe, has pep $6.75. Lanc. Co 215-445-7769.

Open carriage in good cond, closed carriage like new, market wagon in fair cond at Nickel Mine Coach Shop. Christian R. Petersheim, 1962 Mine Rd., Paradise, Pa. 17562.

Farmall Cub tractor 18 hp. Monroe Co. 717-722-9646.

Reg Romney yearling ewes, bred for March lambing, $250 ea. Chester Co 215-932-3577.

12 yr. old saddlebred driving horse, safe & sound needs a little coaxing. Lanc. Co. Michael S. Esh, Jr., 434 S. Belmont Rd., Ronks, Pa. 17572.

Water conditioner nitrate, sulfate remover PH tanks included, good cond. Daniel Glick Jr, 360 Radcliff Rd, Willow Street, Pa. 17584.

Encyclopedia Americana-2 yrs. old, never used, cost $950, sell for $250 Could UPS for Christmas. Chester Co. 215-255-4830.

275 gal. fuel tank $35, cast-iron baseboard radiation, one standing & radiator $25, front truck axle w/tires, suitable for trailer $20 Hunt Co 814-447-3383

1972 IH 1610 Cargostar 24' flatbed truck, also 1969 Ford F-1 pickup truck, both current insp. Lanc Co. 717-665-5683

Bloodhound, St Bernard & Newfoundland puppies, pair hedgehogs $350, breeding pairs ferrets $100/pr., whites & sables, pair Cairn terriers. 717-222-4657

20 ton bright straw & 30 ton dry corn. York Co. 717-244-4655.

Butcher block used 24"x24", $300. 609-785-1531.

20 wk. old pullets lay brown eggs, 300 approx. 100 Lanc. Co. 215-445-4605.

1976 433CC Yamaha oil injected snowmobile $400, sausage stuffer & lard press $115, 4 HP rototiller $125 Leb. Co. 717-865-7447.

36" miniature sicilian donkey jenny, $1500 call after 6 p.m. Chester Co. 215-384-7681.

Rabbits, dwarfs, checkered giant holland pops, plus many domestic rabbits Leb. Co. 717-838-9821 anytime.

454 Int. w/loader dirt bucket & forks, 2 btm. plow w/5' Bush Hog exc cond $7000 OBO after 5 p.m. Cecil Co Md 1-301-398-8231

Grinder mixer for sale, Farmhand model 815, $1200. Lanc. Co. 215-445-9599.

M&W piston sleeve kit model SP36 Magna seal for NAA, Ford Jubilee $125. Monmouth Co. 201-946-4114 eves.

Fisher snow plow, 8 ft w/ for mounting brackets, good cond., $1,000. Lanc. Co 717-464-5108

Int. 350 utility, loader, snowplow, new engine, P.S T.A. live PTO like new tires, $2900. Berks Co 215-683-3827.

AC B tractor w/mower needs work $475, 1953 Henry J. $900, 1966 Marlin fastback $575. Perry Co 717-582-8310.

Carriage w/1 seat, rubber tires, fiberglass shafts, walnut cabinet. Cumb Co. 717-532-3977.

Pygmy goats wether & registered buck & does. Northumberland Co. Call after 5- 215-588-8554.

9' snow plow heavy duty like new, $400. Monroe Co 1-717-992-2854.

JD #214 garden tractor, 14 HP Kohler engine, 47" mower, 42" snow blade, & JD vinyl cab enclosure excel. cond., $1800, can deliver. Del. Co. 215-358-5839.

Massey Harris 35 self prop. combine can be fixed up or use for parts, $600. Franklin Co. 717-532-4748.

Snow plow fit Ford 4000 Souder loader quick mount $295. Lanc. Co. 717-653-4598.

4 mo. old male Pomeranian pup. Lanc. Co. 717-665-6482.

Ducks: Pekin, blue & Black Swedish; various runners; white crested. $5 each Roman tufted geese $20. Berks Co. 215-683-8426 eves.

Walking horse saddle $75. Stubben-Rex, nice cond., $325; 2 Western saddles full size, good cond $200 ea. York Co 717-259-7721.

Clay Honney wagon, 800 gal., good cond. Also 5 bicycles, some need tires. Lanc. Co. 717-768-8553.

Muzzle loader Thompson center Pennsylvania hunter flintlock rifle .50 caliber $259. Lanc. Co. 717-627-4127 eves.

Log splitter (Bark Buster) fits 3PT $200 Also JD H plow & cult. $100 Dau Co 717-692-4234

Good sleigh & jumper sleigh beautiful 2 horse swab wagon w/seat orig. paint. Franklin Co 717-263-4227

Pony cart repainted air tires $105, pony harness w/new heavy duty bridle $105. Leb. Co. 717-272-6819.

1981 Olds dsl. Royal Brougham body & interior in excellent cond 717-3352-7616.

Pony colt- sorrel w/white blaze, 77 mo., gentle, nice disp Priced right for good home Hold for Xmas York Co 717-225-1045.

1 pair black Australian swans, snowy white call ducks. Franklin Co 717-328-2423.

89 Ford conversion van loaded 21,000 mi showroom cond $11,900. Also 82 Chevy ¾ ton pickup clean, best offer Berks Co 215-589-5613

1985 Chev. ½ ton pickup Silverado pkg. 305-V8 AT AC PS PB cruise am-fm cassette red 23,105 mi $7800. York Co 717-938-6692.

Splicer 3 spd. aux. fan $200, large hydraulic pump for dump truck $100. York Co. 717-927-6070 after 8PM.

Lambs all sizes & colors, nice fleeces for hand spinners. Also bred ewes & Jacob ram. Cecil Co 301-658-3169.

Forklift boom off of a D15 Allis tractor $450. Centre Co 814-349-8016 6-8PM

7 cord cherry firewood dried cut & split. John K Lapp, 960 Georgetown Rd., Paradise, PA.

Reg. Nubian buck kid, born 10/19/90, show qual., exc milking line. Parents are top quality! $110. Forest Hill, Md. 301-692-5274.

JD Model MC crawler w/ PTO belt pulley & front loader in very good cond Perry Co. 717-438-3737

HD5 dozer tracks $1000, 366 Chev. eng $750, Chev. 70 ser. flat dump $750, TD15 Int. dozer- no blade $3000. Cecil Co, Md. 301-378-2785

Black mare 15 yrs. good for child $300. Also cherry grandfather clock $500 Lanc Co 717-665-6546

JD 530 on steel new paint field ready $3775. Lanc Co 717-733-3015

7 mo old donkey medium size $200 OMC grinder mixer hyd. loading & unloading good cond $1000. Lanc Co 215-267-7349

Cherry lumber, 6-10" wide, 1" thick, reasonable New Castle Co 302-994-2996 after 6PM

AKC male German Shepherd pup, 3 mo old Big-boned parents are good watch dogs $50 OBO

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Trailer, 3000# GVW 1972, Holsclaw, used very little for taking golf cart to engine shows, $300 OBO. Berks Co. 215-777-6664 after 4PM.

1 Rockwell miter saw, 1 Black & Decker miter saw. 717-354-4158.

Marion dump body & hoist $350 8'. One 1941 GMC pickup truck trans. 4 spd. $50. Berks Co. 215-326-1385.

2 tires BF Goodrich F7815 4 ply 9/32 tread good cond. 215-445-6180.

12 gas 4,000 BTU nursery heaters, 2- 20" fans, Gulbransen organ w/double keyboard & full pedals. Lanc. Co. 717-426-1539.

Heil electric furnace, new 56,000 btu. Lanc. Co. 717-665-3393.

TW30 Ford tractor, cab & air, 2990 hrs. Weyers Cave, Va. 703-234-8560.

Douglas fir Christmas trees directly from grower. You cut & haul & save a bundle. Trees in Columbia Co. 717-872-5263.

1976 Cadillac Coupe Deville good cond. $1200. 19' Aristocraft boat Mercruiser 120HP OMC w/Holsclaw trailer $5000. Berks Co. 215-488-1365.

580 Case loader w/bucket or forks, Oliver 60. Paul Yerger Sr., Auburn, PA 17922. Sch. Co. 717-754-4661 eves.

Full-size truck insert converting to table, chairs or bed $80; tractor pull disks $80. Please call 215-286-0263 now!

Kenmore coal heater $75. Caloric heatrola $50 Both in good cond. Elam R. Zimmerman, Old Akron Rd. Lanc. Co 717-626-4398.

Loader tires 19.5L-24 10 ply 75% tread $500 pair, 30" forks $50 pair, kiln dried red oak. Berks Co. 215-856-7856.

Vermeer 107 haybuster soddrill, heavy duty bearing, late model, 3 seed boxes w/cyl. $8100. Harrisonburg, Va. 703-896-2696 after 6PM.

AKC male English Springer Spaniel, 14 wks., wormed, shots. Great Christmas gift- $75. Elvin Hess, Conestoga, PA. 717-872-5522.

JD combine 55 corn special 3RN & grain head good cond. best offer or trade most anything. Ulster. 914-895-3160.

Hvy. duty plywood sides, 5' H tailgate for 8' P.U. $100 OBO. Antique 1952 Chrysler Windsor 4 dr. for restoring $150. ACWD can be restored $250. Montg. Co. 215-539-5045.

Massey Harris 44, AC table blower, both priced to sell. Jefferson Co. 814-938-7444.

Approx. 100 bales bright oat straw, IH 2PT two 16" bottom plow, trip type in good cond. Lanc. Co. 215-267-2573.

1949 AC G, hyd. lift, cultivators, runs well, good tires $1300. Monmouth Co. 201-591-8627 after 8PM.

Miniature horse, mare 2½ yrs. sorrel, broke to cart, excellent conformation and bite, 36", $800 unreg., $1000 reg Cecil Co. 301-398-4890 eves. or weekends.

Woodworking sash sticker 3 heads, belt drive, 5HP $950. Asphalt plate tamper $975. 10' plastic layer $950. Northumberland Co. 717-286-5306

Hay- mixed timothy alfalfa. Fair- $1 35/bale. 100 bale minimum sale at farm Adams Co. 717-337-1993 after 7PM.

Reg App. filly, 21 months, 14H, calm, quiet, world champion blood, show quality, need cash- must sell, $975. Lanc. Co. 717-361-9030.

We repair only neighbors collars For sale used Irish & other collars. Christ E. Fisher, 1975A Mine Rd, Paradise, PA 17562.

20 fat bulls ready for slaughter 1400 lb 70¢. Amos Zook, RD4 Box 472, Ephrata, PA. Katze Boucle Rd., Lanc Co.

Snow plows 7', 7½ ', 8', one hyd. angle, $150-$600. Two 5' for lawn tractors $75, gravity wags. 215-944-7529.

David Bradley 2 wheeled tractor needs minor work plow, snow plow, disc, cultivator $200 for all OBO. Berks Co. 215-678-8353.

New 11R20 tires mounted on 8" rims, 2 steering $225 each, 4 traction $250 each. 16 ply. York Co. 717-938-6656.

8 yr. old sorrel Belgium mare $975, IH mower & crimper combination complete w/4 cyl. motor $2600, old type hay tedder $250, JD cultivator $95. Lanc. Co. 717-354-4374.

79 PU GMC s. wheelbase trailer towing pkg. $1000. 42,000 mi., AT, AC, exc. 301-838-4391.

Purebred Shropshire ram. Ewe, lambs, some may be bred. Wormed, injected w/ Convac-8. Leb. Co. 717-949-3653.

Good used gas water heater $150. Samuel F. Zook, Coatesville, PA.

Farmall C tractor w/ cultivators $1200, Int. 700 auto reset plow 4x16" $1200, Farmall pedal tractor $400. 717-243-1018.

JD 420 crawler, new under carriage & tracks, w/loader & snow plow. All in good shape. 215-445 6423.

Love seat excellent cond. $60; running boards for PU truck like new $30. Cumb. Co. 717-258-3955.

Rabbit cages- 65 double cages, A frame style, w/ feeders & auto. watering system $2000 takes all OBO. Schuyler Co, NY. 607-292-3831.

2 snow tread Cooper truck tires 7.50-16 on Dodge/ Ford 8 lug wheels 6 ply $70 for both. Berks Co. 215-756-6337.

NH 469 haybine, good shape, $1150. N. Cheste Co. 215-286-6047.

Snowmobile- JD 440 Liquifire very good cond. $500. Dirt bike- 1986 Husqvarna 510 Enduro big fast bike $1000. Leb. Co. 717-274-5146.

NI 12A spreader good cond. field ready $750. Free delivery to Lanc. Co., York Co. 717-235-2032.

NH 36' elevator, wind damaged. IH 440 3x16 trip plow. Leb. Co. 717-865-4546.

David Bradley walk behind tractor 5 attachments, needs reconditioning, $125. Marlou water pump $55. Snow blowers, not running. Clinton, NJ. 201-236-2297.

JD 485- 9' mower conditioner $1200. NH 66 baler $200. Fawn Grove, York Co. 717-382-4774.

Top buggy like new, rubber, hyd. brakes, blue crush interior. Lanc. Co. 215-445-6548.

Ram reg. Suffolk was 4-H project. Susq. Co. 717-727-2992.

AKC Cocker Spaniel dogs $160 takkes all 3- 1 male, 2 females, papers. Also pens $180 fairly new. Leb. Co. 717-273-5518.

1975 Chev. 4x4 ¾ T w/ plow new paint good cond. 1981 Chev. stake body dual wheel 10' box PB PS radio good cond. $4500. Leb. Co. 717-867-1201.

10,000 tobacco laths. Tractor tire chains fit 16.9-30 tires. Also smaller or larger tires like new. Lanc. Co. 717-626-5449.

13"x16"x13' cast iron water trough. Also 2 snow tires P165/80 R13 M/S. 717-733-8974.

Parts off Badger vacuum spreader model 211 1000 gal. pump works tank is sucked in. Berks Co. 717-933-4380.

Would someone please buy these Pride of Farm & Smidley hog feeders. I don't need them $25 each. Berks Co. 215-779-0349.

Enclosed trailer made from bread truck 6'W 9'L 6'H $7.50- 2 tires rear doors pinten hitch $250. Bucks Co. 215-968-2649.

Bright clean barley straw nice $1.15/bale, used skid loader tires 27-10.5-15 ½ tread 6 ply $45 pair. Lanc. Co. 717-664-2959.

Generator Century 7KW Cont. duty 6 cyl. Continental gasoline 110-240 volt auto- transfer switch auto start $250. Lanc. Co. 717-872-7081.

Ships wood stove, Troll A #354, $300 OBO. NI #12 spreader, works, $300 OBO. AC G tractor w/tools, $1000 OBO. McCool, Salem Co. 609-694-3448.

Freezer lambs, washable sheepskins & pure wool yarn from our Corriedale sheep. Bucks Co., PA. Call us! 215-997-2117.

2 reg. Holstein bulls, sired by Likabul born 9-26-89, sired by Trifecta born 11-3-89, records on dams. Lanc. Co. 717-626-6517.

D.S. machine coal stove & grate w/water jacket $750. 1- 35" Zimmerman exhaust fan w/motor & thermostat like new $350. Chester Co.

Ringneck pheasants- male $6.50, female $5.50. 215-267-5012.

Gleaner F gas combine, 430 corn head, 13' grain platform runs, will sell cheap. Burlington Co. 609-298-8083 eves.

Hackney pony reg. 3 yr. old well broke rides drives child safe traffic safe sound $350. Franklin Co. 717-328-5713.

3 reg. cows, 2 due late Jan., $1350 each. Lanc. Co. 717-354-2041.

60" paddle fans. Electronic curtain controls & power packs for chicken or hog confinement building. Half price. Perry Co. 717-444-3038.

Custom built large capacity wood stove. This stove is attractive & very well built. Dau. Co. 717-533-9618.

Standardbred team, mares bred to Bel. Stud due May. Pair Stan-Bel fillies 7 mos. Pair Stan-Bel geldings 21 mos. Bed. Co. 814-784-3385.

Model 12 Winchester 12 gauge 30" barrel full choke $390, 14" McCulloch chain saw $35. Lanc. Co Kieffer 717-35405408.

2 sorrel standardbreds, 1 liver chestnut saddlebred traffic safe, sound, OK for women. Bennie King, 154 Locust St., Leola, PA 17540.

1969 Chevy 4x4 ¾ ton good cond $995 717-837-8799 day, 837-9303 eves.

White King pigeons young stock. None mated except 7 pairs. Amos E. Beiler, 35 Salem Rd., Kirkwood, PA 17536.

1985 Ford LGT125 garden tractor, 12HP, hydro, 44" deck, snow plow, wt. box (Jake Built) a sharp package $1650. Lehigh Co. 215-298-3362.

Farmall C snowplow grading or leveling blade 6' factory made good cond. Berks Co. 215-683-8074.

Chisel plow 7 tooth good chisel for small tractor $600. Lanc. Co. 717-442-4596.

24" drum sander & 54" copier lathe. Also 40'x40' frame barn free for removal. Leb. Co. 717-865-4182 anytime.

Fiberglass storm front carriage good cond. (blue) 12 volt lights. Levi M. Stoltzfus, 31 E. Eby Rd., Leola, PA 17540.

Simmental cow due end of Jan. w/3rd calf TB & Bangs, accredited. 215-926-5542.

Heavy duty snow plow for pickup including 4 way hydrolic controls & lights, $650. Balti. Co. 301-665-0527.

Ford 1986 F250 HD ¾ ton 4x4, high & low XLT 6.9 diesel PS, PB, tilt spd. controlled 2 ton blue new tires 65m. Franklin Co. 717-264-4555.

Winc. 94 rifle, 24kt. gold medallion, 100% wool blankets, 1949 plaid baby wool blanket & quilt, JD 43 sheller, silverware. Leb. Co. 717-865-5424.

1980 Arndt 2 horse trailer, newly inspected brakes on all wheels, good shape, asking $1300 reduced for work. Perry Co. 717-444-3006.

1-horse wagon 2 horse wagon both excel. home comfort wood coal cookstove. Fred Co. Md. 301-845-8650 after 8 p.m.

Fossem model 3L tree saw, hedger mount on loader, 8 saw 10' bar hyd. pump motor complete $1000 Snyder Co. 717-837-3568

Arab mare bred to Arab stallion due to foal Aug 1991, $500. Montour Co. 717-275-0208.

Lab pups, AKC 609-825-8793.

Cable winch off front of army truck, good shape asking $75. Adams Co. 717-337-3723.

1974 Jeep CJ5 Meyer plow metal cab roll bar $1000. Lanc. Co. 717-653-4667

1988 JD 2155 backhoe loader 3 pt, PS, p. traction diesel $15000, JD 1010 dozer all angle blade, new eng., $6000. Wyo. Co 717-945-7759.

3 AKC male chihuahua puppies, 7 wks. old. Levi S. Beiler, 1402 Georgetown Rd., Quarryville, Pa. 17566.

Case 4-16" semi-mount plows $375, JD R manure spreader $350, 2 Ford 250 balers $350 both. Luz. Co. 717-752-3272.

JD conserv. planter, D4 pony engine, parts for Oliver rollover plow. Ivan Eberly, RR 3 Box 447, Narvon, Pa. 17555, Lanc. Co.

Overstocked: Will sell 3 reg. cows out of 21,509M 753F 692Pro. herd bred to Aerses $1100 Leb Co 717-865-6836.

100 acres, 3400' deer river frontage, St. Lawrence Co., N.Y. ¼ mile hard road frontage, sell or trade for cattle. 607-523-8919.

Cub tractor, mower, plow, disc., 10' trans. disc, $1000 nice, Int. 240 front blade & 2B plow v.g.s. Carroll Co. Md. 301-374-6493.

Stahl 8' utility bed for ¾ t truck, diamond plate floor, 4 boxes each side, can deliver. Balto. Co. 301-296-5428.

Purebred Cocker puppies B/W farm raised w/children $90, also dwarf bunnies very small $10-$15. Call 717-665-2534 leave a message.

Caterpillar D-2 bulldozer, good cond., stuck steering clutches, $2650, Clark forklift 5000 lb. w/side shift, exc. cond., $3250. Flemington, N.J. 201-782-3391.

JD 45 combine 10' grain 2-row corn wide must sell York Co. 717-244-8222 day, 717-244-9022 eves.

Turf tires 18.4x16 1 excel. cond., mounted IH 300 8-LLG wheels asking $325 pair. Hunter. Co., N J. 201-236-6658.

Loader fits Int M or H tractors w/wide front, $150, Int. 1 pt plow, $150. Carroll Co. Md. 301-848-1913.

1000 lb. platform scales, Craftsman radial arm saw 10", Maytag wringer washer all good cond. Eastern Lanc. Co 717-354-7151

100 broilers for sale, 10 to 12 lbs. by the middle of Dec. Mike Esh, 841 Winter Hill Rd., Strasburg, Pa. 17579 Range grown

Early Fordson & Farmall reg. top buggy rubber & hyd. brakes reasonable prices. Lanc Co. 717-733-9270 ask for Dave.

Poly calf hutches w/hay rack & buckets excel. cond., $150 ea. Lanc. Co 717-665-9369.

Purebred border collie pups from, working parents & imported bloodlines ready for Christmas. 216-482-4935.

16HP 3 phase 1750RPM elect. motor tapered locust posts 50.4"x7' $1.50 ea., galv. metal roofing, $3 a sheet, 27 sets complete house windows 34½ "x32". Berks Co. 215-845-2443.

Case W9 4 wheel drive loader diesel engine 4 cyl engine tight $1500. 215-536-5877 or 215-679-6632 call after 5 p.m

Alfalfa orchard grass hay third cutting, no rain, $90 pr ton Dauphin Co. David S. Smucker, RR1 Box 425, Lykens, Pa 17048

1000 lb. platform scale on wheels wghts included $150, 2 wooden spoked wheels $30 ea, delivery possible Lehigh Co 215-767-9492

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MAILBOX MARKET FOR SALE

Big Valley stock trailer 14' gooseneck, 1983 Model dark blue good cond., $2000 Lanc. Co 717-859-2306

1975 Ford P/U. std trans, six cyls, new rad water pump & battery, need brakes & muffler Cecil Co 301-658-2706.

Armstrong 18 4x34 rear tractor tires matched pair 25% treade $50 ea York Co. 717-993-6226.

Gas tanks w/hand crank pumps, 1- 300 gal., 1- 150 gal. excel. cond., $125 ea. Balto Co 301-374-9750.

Trailer 28' gooseneck w/5th wheel hitch, tri axle, brakes, extra tires & wheels, $1875 OBO 301-798-1234 nights

1980 Ford F-150 4x4 pick-up 75,000 miles AC dual tanks cap running boards Luz Co 717-454-7619

JCB model 3CII backhoe 80" front bucket, sliding hoe, cab, 2084 hrs, on unit, no engine, $2500 OBO Berks Co 215-488-1567

'84 4x4 Toyota pu x-tra cab loaded, also '84 JD snowmobilw 440cc for more info Robert, Berks Co 215-286-9830

Ford tractor 3 pt w/mower $1,500, Farmall M $750, 40' travel trailer $1,900, 1985 Chevy Rd back $11,000, IH backhoe $6,700, MF track loader $3,700, Ford 1 ton dump mk offer, Honda Fat Cat, new Carol 301 848 8720

MF 30 tractor w/3 pt hitch $1600, new 14' trailer, Beaver tail, brakes, ramps, jacks, $1250 717-784-1779

Muskrat traps, excel cond, $3 ea, rader detector $30 Berks Co 215-582-2587

7-yr-old Appaloosa/ Arabian mare, 14 2 hands, western or English Dau Co Wanted Female black & white cocker

AKC Bassethound puppies tri-color, red & white ready Dec 23rd Col Co 717-799-5411

Sioux valve grinder, seater & stones, dressing stand, 3 pieces $450 717-286-1993 or write Box 298, Sunbury, Pa 17801.

AC Forklift mounted on a 165 MF will sell w/or without tractor. Union Co 717-966-3697

Southdown ewes 3 rams, 3- 1 Cheviot ram, $50 ea 215-967-3175 after 7 p m.

Int 4 btm. 16" trailer plow, good cond., asking $1500 Bedford Co 814-766-3304 ask for David

Snow plow 9' for small dump TK large hyd cyl opens 3 stages, Honda motorcycle stored for 2 yrs 1-717-948-7895

14T baler in good cond, ready to go $550 OBO Union Co 717-922-4139

1965 Chevy, 15' flatbed, 26,000 lbs gross, 350 w/2 spd, axle, very little rust, good worker, solid Cumber Co 717-776-7150

Breezeway or porch encloser w/fiberglass & doors 2"x3" constructed, 2-92"x144" $100 Northampton Co 215-867-7165

2- 18 4-30 used tires & tubes. Harford Co Md 301-692-6788

Farmall tractor 130 w/cult, fast hitch good cond, new tires, good paint Henry Co Va 703-666-0879.

207 Hawk bilt spreader $300, 10 Starline cow stanchions, NH 273 baler w/thrower $1795, 7x16' flat bed wagon $275 Lanc Co 717-653-5926

6 White sal link cross pullets 16 wks old $4 ea, $20 for all Bucks Co eves 215-822-1639.

GBC standing warehouse forklift 2500 lbs capacity battery operated, solid tires, 220V single phase charger $1500 Avondale, Pa. 215-268-3128

2 Morgan horses for sale 6 & 3 yr old. Eli K Glick, 612 Mt Pleasant Rd, Quarryville, Pa 17566

14 farrowing crates in good cond, & 8- 5'x7' nursery decks, no Sunday calls Adams Co 717-334-8890

3 btm 16" auto reset plow B.O. 22"x3' NC lebond lathe, 75 ton shop press, NH #26 blower, JD FBB g drill. Blair Co 814-944-0818.

Real Estate: Somerset County: adjacent game lands, 48 acres previously golf course, 24'x40' building, acre pond, spring, some woods, breathtaking view. 412-884-3270.

Snowblower Int. cub cadet like new 42" $150. Carbon Co. 215-397-2965.

NH 66 baler $200, 100 pieces poultry equipment $100, IHC hammermill $25, 8' disc $50, harrow $50 Dau. Co. 717-545-0796.

6 ton outside bulk feed bin, good cond., needs paint. John Ebersol, 2687 Stumptown Rd., Bird-In-Hand, Pa. 17505, Lanc. Co.

5 home-raised Hereford steers, 3 heifers 8-9 mths. old, weaned, started treated lice worms, shots for shipping fever. York Co. 717-292-1343.

3 pt. hog mover new, cattle trailer 8x14 w/new floor. Lanc. Co. 717-665-6908.

Airstream dust helmet, good cond. Lanc Co. 717-626-6055.

JD 401C backhoe loader enclosed cab, excel. cond., heater, windshield wipers, shuttle shift, $8000 Balto. Md. 301-655-7094.

Wisc. engine parts for VF4 & VE4 & clutch, also good used apron off of JD 54 manure spreader. 717-966-3965.

Rottweiler pups AKC top bloodline will be ready 12-22-90. 215-267-2782.

5 yr. old big brown standardbred carriage horse, trotter, traffic safe-sound anybody can drive. Lanc. Co. 717-859-2374.

Inexpensive cooking hot water solar system, no electric use, work automatically, no moving parts, trouble free only $550. Lanc. Co. 215-445-5309.

MAIL BOX MARKET WANTED

16" dump box good shape Lyc. Co. 717-323-5038.

Parts for 1984 Nissan 4x4 front fenders, grill, doors, bumper. Lanc Co. 717-664-2740 after 5.

Lionel Ives A.F. toy trains, plastic buildings, new or antique. York Co 717-292-1317.

Will buy litters AKC pups, Boston Terriers, Cocker Spaniels, Mini Dach's, Scotty Terriers, Toy Poms, Dalmations, Lab-Ret's Del. Co. 215-485-6228.

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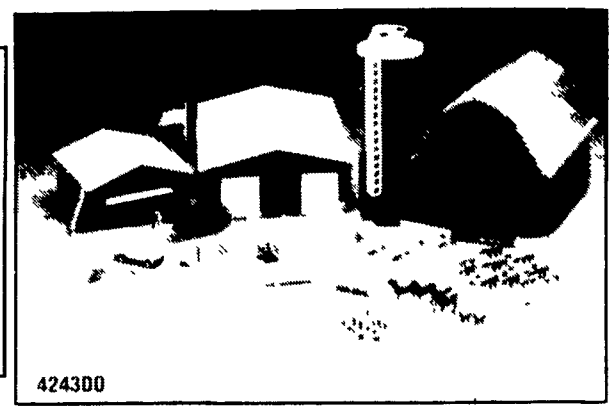

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Check One:
For Sale____ Notice____ Wanted____

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5	6	7	8
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Subscribers to Lancaster Farming will receive one advertisement FREE each month in our Mailbox Market. Subscribers using the Mailbox Market MUST use this form with mailing label attached and will be governed by the following rules:

Limit your advertisement to 20 words; area code must be added to phone number or ad will not be published, and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Monday or same will be held over for next week's paper; no business ads accepted.

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Lancaster Farming
P.O. Box 609
1 E. Main St.
Ephrata, Pa. 17522
No Phone Calls Please

MAILBOX MARKET WANTED

Rototiller rear tines w/ reverse good working cond , reasonable, pleasefront tine rototiller sale good cond. Lanc Co. 717-442-9239, 6-7 a m or p m

Horse boarding, Hershey area, full care w/daily turnout, very good care, $100 per mth. Leb Co 717-838-3656 after 3 p m

Sunflower attachments, outer end shields & deflector rods for JD 653A rowcrop head, also, Hillside attachment for IH 540 plow York Co 717-456-7375

Norwalk juicer or motor for mod 200 Norwalk juicer Cumber Co 717-258-6247.

Mini bike or small motorcycle for young boy to work on, any cond. Wanted 2 horse stock trailer. Chester Co 215-269-2858.

Factory steel wheels for 1936 JD B, also want to board heifers 90¢ per head/ day Berks Co. 215-683-3094

Will trade 1978 Chev. pickup, runs great, for 3 or 4 feeder calves. York Co 717-456-5858

Pulley assembly to fit JD 2010 tractor diesel. Perry Co 717-536-3130

4, 6, 8 HP associated or waterloo, hit & miss gas engine. York Co 717-741-3672

Portable firewood processor or bucking saw, conveyor, skidding winch for 36 HP tractor 6'-7' snowplow blade. Lanc Co 717-627-2864

Starting dairy operation need variety of equipment fencing posts, tools, wire, Jersey calves surplus supplies anything that helps. 215-345-0946

Family milk cows sheep, goats, & other farm animals that will be gentle around children 8 yrs old 215-345-0946

JD 7000 corn planter 4RW 703-872-5163

18 4-38 Firestone tractor tire at least 50% tread no breaks Carroll Co 301-795-6484 after 6PM

Tractor cab to fit 8600 Ford tractor Lanc Co 717-664-4362

Man 36 w/large family seeks dairy farm to work for retiring owner w/future prefer northern PA 914-254-5037

Horsedrawn mower #9 high speed Also need manure spreader for horses 804-293-9012

18' or longer tobacco rails must be good rails. Lanc Co 717-284-4913 eves

10HP motor or 3 phase converter for 10HP motor For sale- 2 butcher kettles Franklin Co 717-369-4211

DAV & BF Goodrich miniature keychain license plates, paying $1-$20 Also automobilia Kevin Fehr, Box 872, Northfield, NJ 08225. 609-641-5910

196' stainless steel cable for Acorn barn cleaner Franklin Co 717-597-4494

White cotton feed bags w/ writing, logos, advertisements. Lanc. Co 717-872-6236

Warm Morning stove (small) Model 460 David R. Glick Jr , 2731 Creek hill Rd., Leola, PA 17540 1 mi S of Leola.

Blacktop spreader box pull behind dump truck type Northampton Co 215-261-1015

Small farm, farmette to rent, anything anywhere, or work on farm w/good house, etc Frank Co 717-765-4881

Old time rocking horse w/ horse on each side seat in middle Will buy pattern or rocking horse Lanc Co 717-285-4293

Tracks for Sleeve F combine or information about tracks Leon Wasielewski, RD4 Waterford, PA 16441 814-866-9793

Westendorf WR30 autodump for 3 PH high lift wanted also 301-663-9116 after 7 30 p m or Sat & Sun

5 Capons. Samuel J Stoltzfus 717-768-8359

Ft control for Linde or P-H welder Bob Snyder, 1751 Woods Rd , Akron, Ohio 44306 215-733-7044

A round wire corn crib in good shape, 800 hundred or 1000 bushel Lanc Co 717-426-3992

Elk Breeding stock Berks Co 215-926-3086 after 6 30 p m

MAILBOX MARKET NOTICE

Free catalogue Fuller Brush Prod. Write Fuller Brush Service, PO Box 6275, Wilmington, DE 19805-0875

For Rent roadside market w/well established business along Rt 625, Lanc Co. 215-445-9809 For Sale: Servel gas refrigerator James Z Horst, 189 Black Creek Rd , East Earl, Pa 17519

America The Beautiful National Parks of the Western States- see display ad section B this issue Russ Hummels 717-743-6911

Sale Reports

HOLLYVIEW FARMS, INC. SALE

A Public Sale of 193 Holstein animals was held December 6 by Hololyview Farms, Inc., David Rinker, Herdsman at Carlisle, Pa. on Route 34.

The 193 Holstein animals included 4 cows which sold for $1850, two at $1800 and one at $1750. The average for the sale was $1111.

The top price for a fresh heifer was $1450 and two bred heifers sold for $950 & $925. The three bulls sold for $1000, $900 and $750.

Kling's Auction Service managed the sale with 115 registered bidders.

LOUCKS AND GREGORY SALE

A Public Sale of personal property for Esther Loucks and Mary Brose Gregory was held December 6 north of Manchester, Pa. along Route 181.

Some prices were: 3 piece candelabra with crystal prisms $235, damaged (Lafayette) pitcher $625, miniature sadd iron $42.50, half-gallon decorated crock $95, marble top stand $275, small inlayed table $375, corner dropleaf table $325, Oriental rugs $100 to $700, set of 6 ladder-back chairs $1320, softwood Wutch cupboard $850, marbletop washstand $375 and Shreiner Grandfather's clock (not original) $1700.

Rentzel's Auction Service managed the sale.

DECH SALE

A Public Auction of antiques and furniture was held December 1 by Ms. Kathryn Dech, 206 W. Maple Ave., Myerstown, Lebanon Co., Pa.

A 2½ story Cape Cod house was sold for $76,000. Other prices were as follows: 1971 Olds Cutlas car $2500, 1 drawer stand $250, Adams plate $125, linen cupboard $650, 1868 red & white coverlet $850, Ironstone casserole $150, red & green quilt $300, Limoges china service for twelve $925, 2 Wedgewood fruit compotes $120 ea., and Distlefink cookie cutter $30.

Resit Auctioneers conducted the sale.

HUDZIK SALE

A Public Sale of a colonial house and a lot was held December 8 by John and Judith Hudzik, 3 miles southeast of Elverson along Hedge Road and Route 345, East Nantmeal Township, Chester County, Pa.

The 2 acre lot with a 2 story brick and vinyl siding and a small horse stable was sold for $105,000.

The auctioneers were Leroy S. Horst and Paul W. Horst.

IMPRIANO & PAVLETICH SALE

A Public Auction of real estate was held December 8 by Vincent Impriano and Mark Pavletich, south of Quarryville at 402 Sprice Grove Rd., Oxford, Pa.

The 22 acre farm with a 2½ story five-bedroom farmhouse, 2-car garage, 2 story frame barn and 2 story block horse barn was old for $235,000 to L. Curnen and Mary Crisnan of Coatesville, Pa.

The sale was conducted by Kreider, Kline and Good auctioneers.

MILLER SALE

A Public Auction of Springs Equipment was held December 6 by Mr. and Mrs. Larry Miller, 3 miles north of Grantsville, Maryland in the village of Springs, Pa. There were 300 registered bidders attending the sale.

Some prices received were: Gehl advertising sign $490, A.C. books up to $250, metal signs $50 to $150, Gehl 970 forage wagon $6200, N.I. 279 haybine $4100, Farmall M tractor $800, M.F. 1135 tractor w/cab $5900, 1972 Ford truck C900 $4000, platform scale $70, Howard 3 leg Para plow $3200 and Tec cash register M-2200 $175, and toy tractors $100 and $250.

Clark A. Yoder and Merle S. Mioshler were the auctioneers.

WALKER ESTATE SALE

A Public Auction of antiques was held December 8 by the estate of Eve Geiss Walker, at Rudnick's Sales, Route 213, Galena, Maryland.

Some prices received were: walnut glass front bookcase $700, pair Victorian walnut side chairs $1000, Victorian carved rocking chair $550, tilt-top table with bird cage $1900, Queen Anne gaming table $2800, Empire bowfront chest $700, oil on board painting of ship by Hamilton $2600, Roman painting by H. Pyle $5000, wing-back chair $750, brass chandlier with prisms $500, mahogany Sheraton drop-leaf stand $600, signed Handel lamp $1000 and marble base brass astral lamp with prisms $1050.

Harry Rudnick & Sons, Inc. managed the sale.

BRUBAKER SALE

A Public Sale of real estate, antiques, guns and fishing equipment was held December 8 by Mrs. Raymond Brubaker, 452 Ridge Ave., Ephrata Twp., Lanc. Co., Pa. there were 362 registered bidders at the sale.

The stucco ranch-style house with a detached 3-car garage and workshop on a 1 acre lot was sold for $77,300 to Lyle and Denise Schappeli of Akron, Pa.

Other prices included: 1863 U.S. Springfield Civil War rifle $700, over-and-under double barrel rifle made in Williamsport $590, 16 gauge double barrel shotgun $165, oak bowed china closet $1000, oak round table with claw feet $550, oak dresser $310, tin cheese mold $120, hanging light $130 and church bench $100.

The auctioneers were T. Glenn, Timothy G. and Thomas A. Horst.

BOWMAN SALE

A Public Auction of real estate and personal property was held December 1 by Mary Elizabeth Bowman, 127 Pequea Avenue, Honey Brook, Pa.

The 2 story stone dwelling and detached 2-car garage was sold for $96,000.

Other prices included: upright piano $250, 12 glasses & pitcher $250, cut glass dish $35 and Depression piece $40.

Horning Farm Agency, Inc., conducted the sale.

HOOVER ESTATE SALE

A Public Auction of antiques was held December 1 for the estate of Daniel N. Hoover near Brunnerville on Pine Hill Rd., Warwick Twp., Lanc. Co., Pa.

Some prices included: 1840 John Eberman clock $9300, chest $325, extension table $450, York church bench $70, Carnival dish $22.50, quilts $220, $275 & $170, crib quilt $110, Ingram mantle clock $100 and old large rug loom $1000.

Horning Farm Agency, Inc. conducted the sale.

CUSTER ESTATE SALE

A Public Sale of household items from the home of Joyce Custer, Royersford, Pa. was held December 8 at the Bonnie Brae Auction, Spring City, Pa. These items were from the estate of Mr. Custer.

Some prices were: J.D. 180 riding mower $2300, J.D. 826 snow blower $600, Parker lawn sweeper $140, Winchester 30-06 gun $350, Remington 222 gun $400, gun cabinet $225, Remington Model 760 gun $260, Winchester 70 270 $450, fishing rods $10 to $50, fishing lures $5 to $60, work bench $75, tool box $250 and tools $25 to $70 per set.

Richard J. Moyer was the auctioneer.

WEAVER SALE

A Public Auction of real estate was held December 8 by Dennis Weaver, POA on Swamp Road, 1 mile north of Morgantown, Pa.

The #1 parcel of 12 acres with an old stone house and frame barn was sold for $130,000.

The #2 parcel of 1½ acres with a frame bungalow was sold for $40,000.

The #3 parcel was a 2½ acre building lot which was sold for $33,500.

Alvin Horning and Merle Eberly were the auctioneers.

Plans Are Being Made For The

11th Annual Penna. Heifer Sale For World Relief

Thursday, March 14, 1991

at Mel Kolb's Black & White Dairy Barn
Lancaster, PA - 2 Miles West on Rt. 283.

Donations will be accepted of registered and grade Holstein heifers - or any breed - milking, bred and open, registered - 6 months or older, grades 1 yr. or older. Donations of hay, straw, grains and cash will be accepted.

For Information Contact:

Christian Beiler - Elizabethtown, PA 717-367-2056
J. Omar Beiler - Parkesburg, PA 215-857-5592
Kenneth Beiler - Gap, PA 215-593-6434
Sam Beiler - Winfield, PA 717-374-9649
Harold F. Crider - Chambersburg, PA 717-597-3965
J. Wilmer Conrad - Lititz, PA 717-626-1736
Earl Fuhrman - Hanover, PA 717-637-9593
Abner Glick - Mifflinburg, PA 717-966-2036
Nelson R. Habecker - Lancaster, PA 717-285-5738
Harold H. Haldeman - Doylestown, PA 215-348-5648
J. Eby Hershey - Intercourse, PA 717-768-3317
Jason Hertzler - Milton, PA 717-437-2139
Arlin Keener - Mountville, PA 717-285-7426
Abraham S. King - Gordonville, PA 717-354-4375
Daniel Kolb, Spring City, PA 215-495-6097
John Kreider - Lancaster, PA 717-299-2536
Clyde Martin - East Earl, PA 215-445-6008
Paul Martin - Stevens, PA 215-267-6460
Kore Peachey - Milroy, PA 717-667-3107
Sylvan Ressler - Quarryville, PA 717-786-2103
Leonard Stoltzfus - Oley, PA 215-689-5540
Clarence Stoner - Jonestown, PA 717-865-2745
Harold K. Witmer - Manheim, PA 717-665-3778
Jonas E. Stoltzfus - 5549 Old Phila. Pike, Gap, Pa.

AUCTIONEERS:
Lee Kurtz - Cochranville, PA #AU-000522-L 215-593-5387
Omar Stoltzfus - Oxford, PA 717-529-6301
John Umble - Atglen, PA 215-593-5756
PEDIGREE:
Dale Hoover - Lebanon, PA 717-786-2489
SEMEN:
Leroy C. Sensenig - Quarryville, PA 717-786-3128
SALES MANAGER:
Wilmer G. Kraybill - Elverson, PA 215-286-9576

Sale proceeds will be donated to Mennonite Central Committee, Akron, PA to help clothe the needy and feed the hungry of the world in the name of Christ.

ANNUAL CONSIGNMENT SALE

Located 8 miles South of Martinsburg, West Virginia OR 14 miles North of Winchester, Virginia off Interstate 81, Take Exit #5 (Inwood) Route 51 East Approx. 3½ miles to Shutts Cash Grocery Turn right - .2 of a mile to sale.

SATURDAY, DEC. 29, 1990
AT --- 9:00 A.M.

We will offer for sale approx. 25 farm tractors, approx. 250 pieces of farm equipment and new 2 & 3 axle 2 to 10 ton utility trailers.

TERMS: CASH OR GOOD CHECK. NOTHING TO BE REMOVED UNTIL SETTLED FOR. ID REQUIRED TO ACQUIRE A BIDDING NUMBER.

EDGAR A. BOHRER
SALE MANAGER
WV LIC. #18 304-229-8354
NOT RESPONSIBLE FOR ACCIDENTS ON PREMISES
LUNCH RIGHTS RESERVED

Sale Reports

ZOOK SALE

A Public Auction of machinery and livestock was held December 7 by Mrs. Melvin Zook, ½ mile south of Rebersburg, Pa. in Centre County.

Some prices included: N.I. manure spreader $425, corn binder $1050, J.D. 14T baler $850, hydraulic plow $1400, spring wagon $625, I.H. W-9 tractor $800, welder $275, anvil $275, china closet $300, oak bedroom suite $450, 20 gauge shotgun $160, 222 rifle $290, and mules $400 to $600.

Grade Holstein cows brought $1400, $1325 and $1300. Bred heifers sold from $825 to $1050 and open heifers from $200 to $500.

Mark Glick was the auctioneer.

SLAGEN ESTATE SALE

An Estate Auction of antiques was held December 8 for the estate of Gwendolen L. Slagen, 949 S. New Street, West Chester, Pa. There were 103 registered bidders attending the sale.

Some prices received were: mahogany 3-section bookcase $1600, Hepplewhite chest of drawers $700, bronze bust of youth $675, Victorian sofa $525, Victorian corner liquor cabinet $500, Queen Anne period tilt-top table $425, large oil on canvas by Fluerry $400, 1800's percussion long rife $275 and 1800's books $5 to $85 each.

Whiteside Auction Service conducted the sale.

WADE SALE

A Public Sale of antiques was held December 8 for George W. Wade, 233 West State St., Quarryville, Lanc. Co., Pa. There were 293 registered bidders at the sale.

Some prices were: green agate milk pail $700, spool cabinet $410, Heisey pitcher w/ glasses $380, early brace tool $290, dovetailed blanket chest $220, miniature red satin lamp $200, blue decorated crock $190, patch quilt $180, J.D. pedal tractor $165, rocking horse $155, Sener broad ax $100, decorated stoneware platter $95, set of 6 plates $85, Roseville vase $52.50, stovepipe cover pitcher $55 and 2 handguns (one a German pistol) $60 each.

Roy C. Probst and Son conducted the sale

NOLT SALE

A Public Sale of real estate and farm equipment and tools was held December 8 by Raymond S. and Alta K. Nolt, South Fairmount Rd., Farmersville, West Earl Twp., Lancaster Co., Pa. There were 195 registered bidders attending the sale.

The 3 acre farmette with a 2½ story house, block barn and greenhouse was sold to Gerald Horst of New Holland for $213,000.

Some other prices were: Kubota B7100 tractor $4700, 3 pt. tiller $1150, 3 pt. Woods mower $600, small sprayer $480, cider press $1175, wire feed welder $1100, drill press $475, band saw $525 and DeWalt radial arm saw $350.

Nevin Z. Martin and Andrew M. Martin were the auctioneers.

Public Auction Register December

SAT DEC 15 - 9AM, RE, Car, Tractor, Tools, HH and Certified Patent, located from 422 in Lebanon across from Plasterer Tractor Co , turn N onto Prescott Rd. follow signs to Mt Zion, 2 6 mi turn right onto Mt Zion Rd 3rd house on left, Mr. and mrs. Willis Campbell, owners, Fortna's Annville Auction.

SAT. DEC. 15 - 9 30AM, RE & HH Goods at 2108 Lundell Dr., 2 mi. E. of Lanc. just S. of Rt. 23, Esther V. Kolb, owner, Abe Diffenbach, Auct.

SAT. DEC. 15 - 9:30AM, 2 Auctions-1 Location, New and Used Agricultural Implements, Construction Equip., Truck Tractors, Chippers, located Montgomeryville, PA, for Phila. Electric Co., New Jersey Bell, Bell of PA, Con-Edison of NY, R. W. Keller Sales & The Marian Bank, Vilsmeier Auction Co., Aucts

SAT. DEC. 15 - 11AM, 2 Tracts of Woodland, located from Harrisburg, PA, take Rt. 322 W to Lewistown, 1 exit past Lewistown, take Burnham exit to stop sign, turn right to T, at T turn left, go through Burnham follow signs to town of Vira, through Vira to Belitown, thru Belitown, 2½ mi. turn left on Lohts Rd., to property on left, Eugene K. Martin and Carl G. Sensenig, owners, Paul Martin and John Stauffer, Aucts.

PUBLIC AUCTION
OF FARM EQUIPMENT AND TOOLS
SATURDAY, DEC. 29
At 9:30

From Morgantown go East on Rt. 23 go thru Elverson approx. 1½ miles to Rt. 345 go South on Rt. 345 cross over Rt. 401 to 1st road left follow auction signs.

J.D. #5460 SELF PROPELLED FORAGE HARVESTER 4 wheel drive, 4500 hrs. with 4 row narrow stalker head and 7' pickup. IH 1566 w/cab and 30.5x32 tires, IH 1256, IH 706 diesel with wide front end, Super A Farmall, Case #1830 skid loader gas engine, IH #710/4 bottom 16" automatic reset plow semi-mtd., IH 710 - 5 boottom 18" automatic reset semi-mtd plow. Ford tractor #800 gas, 2 NH #8 forage wagons both tandem axle, #234 Fox forage wagon, flat wagon with hay sides, NH #7 chuck wagon for parts, 2-14' tandem axle flat trailers, 6' wide 20' long Gore gooseneck tandem axle cattle trailer, Van Dale feeder wagon, 14' dump wagon, pasture feed wagon, cable tilt table for hoof trimming, NH #450/3 pt. mower, NH #30 blower, NH #258 side rake, NH #273 baler with thrower, NH #495 12' haybine, NI #270 cutditioner 7', Hub 30' elevator, Kool Bros. grinder blower, 6"x16' portable grain auger, #1830 Butler Oswalt mixer feeder, IH #2350 Ind. front end loader mount-o-matic, NI 12' flail shredder, IH #510/13 disc grain drill, Int. #400 cyclo 4 row corn planter, Gehl #B-87 Hi-throw blower, 1974 IH single axle tractor 1910-A Fleetstar with 5500 gal. tandem axle trailmobile tank trailer with hydraulic manure discharge (road permit), West 1300 gal. dual purpose manure spreader, 2000 gal. cap. tank liquid manure spreader, lagoon manure pump, 1973 Marmon tractor with 318 C.I.D. Detroit engine, Wet line 22" rubber, 13 speed Fuller trans., 28' aluminum Freuhauf dump trailer 22" rubber, 1956 Fruehauf trailer tandem axle for parts, 32' flat bed trailer with diamond plate steel flooring single axle no title, new Durvet head gate, Lincoln 180 amp welder, Ind. air compressor, 1000 RPM 55 kw Katolight portable generator, 1 pr. 30.5x32 tractor tires approx. ½ tread, 1 set of duals 18x34, some equip. tires & wheels, 4000 lb. floor jack, handyman jack, metal bandsaw, anvil, bench grinder, Homelite chain saw, 5½ " vise, 60' aluminum 6" pipe, John Wood kerosene heater blower type, full set of box open end wrenches 1¼ " to 2", pipe cutter and threader, bolt bins, lots of bolts & nails some new, air wrench, ¾ " socket set, bolt cutters, odds & ends of lumber 5 wooden calf hutches, 1 poly dome calf hutch, Jag artic cat #3000 snowmobile, 24" fan floor stand, approx. 4 ton straw, 12'x70' Liberty mobile home must be moved, some scrap iron, forks, shovels, tools and more items not mentioned.

Lunch provided by Conestoga MYF

Terms by:
LLOYD K. MAST
EDITH A. MAST
(215) 856-1232

Auctioneers:
Elton Horning #AU-00434-L
Rodney Horning #AU-002167-L

BANKRUPTCY AUCTION
SCOOPERMAN ICE CREAM PARLOR
THURSDAY EVENING DECEMBER 20, 1990
At 6:00 P.M.

383 South Front Street, Steelton, PA, adjacent to Merris Laundromat.

RESTAURANT EQUIPMENT

All Items Like New - Less Than 1 Year Old!! Delfield Model 6051 S/S Double Door Upright Refrigerator, Ansul Hood System 3'x6' S/S, Star Ref Sandwich Unit, Star Gas Grill, Kold Draft Ice Maker, S/S Sink 3 Hole w/Drain Board End, Vulcan Gas Fryer, Eagle Table Top Warmer, S/S Grill Stand, Sharp Microwave Oven, 2 Hot Fudge Units, Large Wooden Gazebo, 6 Tables, 8 Benches, Sharp ER-3231 Digital Cash Register, 4 Slice Toaster, Silverware, Bus Trays, Glassware, Ice Tea Dispenser, Plus Other Items!!

INSPECTION: 2 Hrs. Prior To Auction Only. Short Auction Approx. 1 Hr. Don't Be Late. Nice Equipment!!

Auction for Secured Party
BAP Enterprises D/B/A
SCOOPERMAN ICE CREAM PARLOR
Jeffrey L. Knosp, CAI
AU 1710L

KERRY PAE AUCTIONEERS
Harrisburg, PA
(717) 236-3752

PUBLIC AUCTION

5 RESIDENTIAL WOODED LOTS
SAT., DECEMBER 22, 1990
AUCTION TIME 11:00 A.M.

LOCATION: From Ephrata, Route 272 North to Route 897. 897 North approx. 2.5 miles to Reinholds, turn right on Ridge Rd., approx. 1 mile to lots on left. West Cocalico Township, Lanc. County, PA.

LOT #1 - Contains 2.48 acres with 210 ft. frontage on Ridge Rd.
LOT #2 - Contains 2.18 acres with 200 ft. frontage on Ridge Rd.
LOT #3 - Contains 2.11 acres with 190 ft. frontage on Ridge Rd.
LOT #4 - Contains 2.97 acres with 334 ft. frontage on Ridge Rd.
LOT #5 - Contains 7.93 acres with 61 ft. frontage on Resh Rd.

TERMS: 10% down day of auction, balance in full at settlement in 45 days. All herein information is believed to be accurate but is being used for advertising purposes only.

NOTE: Build your dream home on one of these wooded lots. All lots probed & perked. These lots are located near exit 21 of Penna. Turnpike, IN A FAST GROWING AREA, but giving you plenty of privacy. For more information or plot plan call Paul E. Martin, Auct. at 717-733-3511.

Auction By:
Terry Kauffman

Michael P. Kane, Attorney

Auction Conducted By:
J&P Auctions
Paul E. Martin, Auct. AU-001601-L
Ephrata, PA 717-733-3511
John D. Stauffer, Auct. AU-001509-L
Manheim, PA 717-665-5099

CONSIGNMENT SALE
OF FEEDER PIGS & FEEDER CATTLE
FRIDAY, DEC. 21, 1990
at 6:30 P.M. Sharp

Held at Keister's Middleburg Auction Sales, Inc., Rt. 522, 3 miles east of Middleburg, PA, 5 miles west of Selinsgrove, PA.

Early consignments accepted
Bring a load - buy a load

Owners,
DON & WALT KEISTER

For information call
717-837-2222, 717-966-2856
or 717-523-0360
Terms: Cash
Auctioneers:
Bryan Imes & Ray Long
Restaurant Open

PUBLIC AUCTION
FARM EQUIPMENT, TOOLS, HOUSEHOLD GOODS, BUILDING SUPPLIES
MON., DECEMBER 17, 1990
AUCTION TIME 9:30 A.M.

DIRECTIONS: From Ephrata, Route 272 North 1 mile, turn left onto Schoeneck Road, 1 mile then left onto Springville Road, 1/2 mile to farm on left. Lancaster County, PA.

SEVEN TRACTORS

ALLIS CHALMERS 185 DIESEL W.F.E., Good Rubber, Excellent Condition; JOHN DEERE 3010 Gas; JOHN DEERE 50; JOHN DEERE 40; MASSEY FERGUSON 150 DIESEL w/Multi Power, Good Rubber; MASSEY FERGUSON 35 w/ Sauder Loader; ALLIS CHALMERS C-A w/ Cultivator & Corn Planter, as is; NEW HOLLAND #273 Baler w/Hyd. Angle Bale Thrower; N.H. #469 Haybine; N.H. #675 Web Spreader; J.D. #640 Hay Rake; M.F. 3x16 Trip Plow; M.F. #238 Pitmanless 3 Pt. Mower; 12 Ft. Land Leveler on Transport; 10 Ft. Packer; Spring Tooth Harrow; 25 K.W. Generator on Transport; Sauder Loader; Allis Chalmers 2 Beater Forage Wagon; 16' Hay Wagon w/Thrower Racks; Oliver Superior 16 Drill Grain Drill; 3 Pt. Round Bale Mover; Round Bale Feeder; Spike Harrow.

1968 F-600 FORD DUMP TRUCK

w/14' Aluminum Grain Bed; 3 TON STRAW; GRAVELY 814 Lawn Tractor w/Mower; Air Compressor; Feed Cart; Handyman Jack; Platform Scales; Ext. Ladder; Snow Fence; Sawbuck; Log Chain; Two 275 Gal. Tanks; 300 Gal. Fuel Tank & Pump; Oil Barrel & Pump; Hog Feeders; Gates; Rabbit Pens; Bolt Bins; Shovels; Forks; Lot of New Bolts, Nuts, Screws, Cabinet Knobs, Pulls & Hinges; New Paint, Spray Paint; New Door Latches; 4 New 9'x7' Calder Overhead Steel Doors w/Hardware; Two 9'x7' Steel Stanley Doors w/Hardware; Power Window Openers; Attic Ventilator; Picnic Table Kits; New Marvin Window Sash; Skylights; New Paneling.

2 PC. LIVING ROOM SUITE

2 Coffee Tables; 4 End Tables; 3 Pc. Matching Wooden Arm Sofa, Chair, Rocker; Wooden Cupboard; Wardrobe; 2 Sets Box Spring & Mattress; Universal Sweeper w/Attachments; 10" B&W TV; Air Conditioner; 2 Chests of Drawers; 2 Night Stands; Small Misc. Stand.

TERMS: Cash or Good Check Day of Auction. All out-of-state buyers paying by check must have a bank letter of credit addressed to this specific auction.

AUCTION ORDER: Small items on wagons first, followed by household goods, small farm related items, farm equipment last.

Auction By:
Daniel W. & Kathleen K. Fox

Auction Conducted By:
J&P Auctions
Paul E. Martin, Auct. AU-001601-L
Ephrata, PA 717-733-3511
John D. Stauffer, Auct. AU-001509-L
Manheim, PA 717-665-5099

Food At Auction

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

TRACTORS—COMBINES—TRUCKS IMPLEMENTS

AUCTION SALE

Having decided to discontinue their farming operations, John Johnson, Bob Bassett and Tom Truitt will sell the following equipment at Public Auction on:

Saturday, December 29, 1990

Beginning at 10:30 AM
Rum Point Lane - Berlin, MD
(Near Assateague Island)

All equipment has been moved for convenience to Mrs John Johnson's farm

Directions: From Salisbury, MD take Rt 50 east to U S Rt 113 in Berlin MD Go south (right) on Rt 113 approx 8 of mile Turn left on Rt 376 (Berlin-Lewis Store Road) Go to end Turn right on Stephen Decatur Road Bear right on sharp curve Go toward Ocean City Country Club on South Point Road Go 1/4 mile Turn left on Rum Point Lane

BUY NOW AND PAY AFTER HOLD CHECKS ARE MAILED

INSPECTION
Thursday (12/27) and Friday (12/28)

TRACTORS:
John Deere 4640 w/hydraulic front wheel drive, cab w/air, quad range 4837 hrs, 20 8x38 factory duals, 1980, nice clean, 156 HP
International 986 Cab w/air, 3963 hours, 20 8x38 tires - 1 year old TA works, 1977, dual remotes, 105 HP
International 786 w/QT-1 cab w/air that works, Black Stripe, 16 9x38 like new tires, ONLY 2121 HRS, 1981, very good, 76 HP
John Deere 2440 w/146 loader, only 1500 hrs, to be sold as one unit excellent
Massey Ferguson 1105 w/cab and air, 2446 actual hours, dual power, dual remotes, real clean, 100 HP, 1975
International 1466 cab and air, 20 8x38, 3000 hrs, TA slips, 133 HP
Massey Ferguson 1080, 3478 hours, 16 9x28 dual remotes, dual power, 81 HP, 1971
Farmall Cub with cultivators
John Deere 4250 Front Wheel Drive, 1985, only 800 hours, Quad Cab & Air, 20 8x38, dual remotes, Real Clean Tractor in excellent condition
1982 F-700 Diesel, 8 2 Detroit w/14' Wooden Flat bed, 5x2 tons 10 00x20, PS, MD INSPECTED

COMBINES:
1981 Massey Ferguson 850 Combine only 2334 hours with 18' flex head, U-2 reel and 63-C6 row narrow corn head, real clean
Massey Ferguson 750 Combine w/3069 hours, 15' floating head, 4 row corn head, good machine

TRUCKS, TRAILERS AND ATV'S:
1974 Ford F-600 w/16' metal body and grain rails, 42,000 actual miles 5x2 trans, 24,000 GVW, 361, 9 00-20x20 - 12 ply rear - MD INSPECTED
1973 International 1600, 5x2 transmission w/345, 16' wooden body
1968 Ford F-750 w/18' dump body, 16 ton hoist (Meadows) 391 w/5x2 trans, burnt valve
1954 Chevrolet Pick-up, runs
Kruegar 2 axle trailer, 24'
Reed trailer 12' tandem axle (NO TITLE)
1986 Honda 350x3 wheeler, very good, heavy Duty Model with suspension
14' Wolverine w/35 HP Evinrude, not used in 6 years

PLANTERS AND TILLABLE EQUIPMENT:
John Deere 7000 conservation planter, 4 row wide with dry fertilizer, insecticide and monitor
John Deere 7000, 6 row narrow, liquid fert, insecticide, rig no till coulters monitor w/row population
John Deere 7000, 6 row narrow, no fert, monitor w/acreage meter, rig no-till coulters, and insecticide
MF Grain drill, 22 sprout, double disc, clean
MF 820 hydro fold disc 19', 64 blade, excellent
MF 520 disc, 44 blade
JD 230 hydro fold (wing style) disc, 20', good condition
Kewanee 40 blade disc, 7½" space
Ferguson chisel plows, 14' and 2-12'
2 Massey 88 plows 5x16
Intl 550 plows 5x16
John Blue 500 gal sprayer w/stainless steel tank, hydro adj, dual piston I-3000
Pump - 30" booms
Agro-tec 500 gal sprayer hydraulic agitation
Hardee offset mower, manual slide
Bush Hog mechanical offset rotary cutter
2 Westco 4 row S-tine cultivator
Brillion 6 row S-tine cultivator
Westco 6 row S-tine cultivator
Brillion 14' crowsfoot packer, new
Brillion 14' solid wheel packer
Long 3 pt backhoe with 2 buckets
1600 gal poly tank
Snyder 200 gal tank
200 gal front mt. poly tank fits 2640
110 gal satellite tank w/GR1 pump and meter
Bush hog 160, 15' rotary cutter
Bush hog, 5'
Brillion manual fold field cultivator
Bush hog 6' excellent
JD 4 row rotary hoe, old style
Liley 1250 seeder
Sanborn 3HP gas air compressor
Power Kraft 230 Welder
3 pt. hitch lift
JD and Massey weights
Allis Chalmers CA Implements

Terms - Personal Property: Good check day of sale Arrangements can be made for buyers who wish to pay after hold check funds are paid in January Call for details

John Johnson, Bob Bassett, Tom Truitt

Pete Richardson Auction Sales, Inc.
P.O. Box 51, Willards, MD 21874
Office - 301/546-2425

PETE RICHARDSON AUCTION SALES
PO Box 51, Willards, MD 21874

SAT. DEC. 15 - 11AM, 103 Registered Holsteins, located at the farm 2585 Rt. 488, 3 mi. S. of Clifton Springs, NY, ½ mi. W. of Orleans, NY, halfway between thruway Exit 42 and 43, Inglis Holsteins, owners, Harris Wilcox, Inc., Aucts.

SAT. DEC 15 - 11AM, Farm Machinery, Grain Bins & Truck, located 4 mi S. of Columbiana, OH, Melvin Horst, owner, Jim and Ken Baer, Aucts

SAT. DEC. 15 - 1PM, Horse & Pony Auction, located 1 mi E. of Intercourse, on Hatville Rd, Levi Lantz, owner, Steve and Steve, Jr Petersheim, Aucts

SAT DEC 15 - 1 30PM, Approved 13 Lot Subdivision, located along Icedale Rd off Rt. 322 approx 4 mi. E. of Honey Brook, Scott Weikert, owners, Horning Farm Agency, Inc, Aucts.

SAT. DEC. 15 - 4PM, 23 5 Acre Farmette, located at 219 W. Lexington Rd, Elizabeth Twp., Lanc Co, PA, Harold E Nolt and Kimberly A. Nolt, owners, T. Glenn Horst and Sons, Aucts.

SUN DEC 16 - 1PM, Several Local Estate-Antique Furniture & Collectibles & Piano, Artwork & Furnishings, Guns, Coins, Jewelry, Auto, located Rescue Fire Co, 3701 N. 6th St., Hbg, PA, Kerry Pae Auctioneers

MON. DEC 17 - 9 30AM, Farm Equipment, Tools, HH Goods, Building Supplies, located from Ephrata, Rt 272 N 1 mi, turn left onto Schoeneck Rd, 1 mi then left onto Springville Rd. 4 mi to farm on left, Lanc Co., PA, Daniel W. and Kathleen K Fox, owners, Paul Martin and John Stauffer, Aucts

MON. DEC 17 - 10AM, Bankruptcy Auction-Mailman's Dept. Store, Warehouse Auction, located 1231 Wallace St, York, PA, Gilbert and Gilbert, Aucts

MON DEC. 17 - 4PM, Service Station Working Equipment & Supplies in Possession of Blue Ball National Bank, Diffenbach's New Holland Auction Center, New Holland, PA

TUES DEC 18 - 10AM, Anderson Windows, Doors, Roofing, etc, located 1825 E. Boston Ave, Phila, PA, Wm F Comly & Son, Aucts

TUES DEC. 18 - 11AM, Woodworking Machinery and Factory Equipment, at North Sherman St, York, PA, Balwin Industrial Liquidators, Inc, Aucts

THURS DEC 20 - 3 30PM, Antiques, HH Goods & Toys, Winross Trucks, located just off Rt 322, approx 8 mi W of Ephrata, Brickerville, Lanc Co, PA, Mamie Eckert Estate, T Glenn Horst and Sons, Aucts

THURS DEC 20 - 6PM, Restaurant Equipment, located 383 S Front St, Steelton, PA adjacent to Morris Laundromat, Scooperman Ice Cream Parlor, owner, Kerry Pae Auctioneers

FRI DEC 21 - 11AM, Union Co 16 Acre Farmette, Personal Property, located RD 2, Mifflinburg, PA along Rt 192, 5 mi W of Lewisburg or 2 mi N of Vicksburg in Buffalo Twp., Union Co, Warren and Mabel Martin, owners, Earl W Eash, Auct

FRI DEC 21 - 11AM, Holiday Cow Sale, at Kling's Sale Barn located 15 mi N of Carlise on Rt 74, 2½ mi NE of Landisburg, Perry Co, PA, Kling's Auctions, Inc, Aucts

SAT DEC 22 - 11AM, Saw Mill, Chicken House Equipment, located Rt 374, Berlin-Libertytown Rd., Libertytown, MD, Walter Dennis, owner, Pete Richardson, Auct

SAT DEC 22 - 11AM, 5 Residential Wooded Lots, located from Ephrata, Rt 272 N. to Rt 897 N approx 2 5 mi to Reinholds, turn right on Ridge Rd approx 2 mi to lots on left, W Cocalico Twp, Lanc Co, PA, Terry Kauffman, owner, Paul Martin and John Stauffer, Aucts

FRI DEC 28, State Graded Feeder Pig Sale, Exit 12 East off I-81, Carlisle Livestock Market, 717-249-4511

SAT DEC 29 - 9AM, Annual Consignment Sale, located 8 mi S of Martinsburg, WV, Edgar A Bohrer, Auct

SAT DEC 29 - 9 30AM, Farm Machinery & Tools, from Morgantown take Rt 23 E, go thru Elverson to Rt 345 go S cross over Rt 401 to 1st Rd on left, Lloyd and Edith Mast, owners, Elton Horning Farm Agency, Aucts

SAT DEC 29 - 10AM, Restaurant & Bar Equipment, Liquor License, Etc, at DiMarcello's Rest & Bar, 1101 S Edgar St, York, PA, Patricia DiMarcello, owner, Gilbert and Gilbert, Aucts

SAT DEC 29 - 10 30PM, Tractors, Combines, Trucks, Implements, located Rum Point Lane, Berlin, MD, John Johnson, Bob Bassett and Tom Truitt, owners, Pete Richardson Auction Sales, Inc, Aucts

SAT DEC 29 - 4 45, Farm Toy Consignment Auction (Toy Show Same Day 9AM-3PM) at the Farm & Home Center, offer Rt 72 near Lancaster, PA, Dave Nolt, Auct Mgr

January

TUES. JAN 1 - 9AM, 2 Family Dwelling, Fine Antiques & HH Goods, located at 441 Fruitville Pike, Penn Twp, Lanc Co, PA, Anna B Oberholtzer and Martha B Oberholtzer, owners, T Glenn Horst and Sons, Aucts

THURS JAN 3 - 7PM, Real Estate-2 Story Dwelling w/attached 2 Car Garage & Workshop, located at 151 Napierville Rd, E Cocalico Twp, Lanc Co, PA, Glenn M Snyder and Janice Z Snyder, owners, T Glenn Horst and Sons, Aucts

FRI JAN 4 - 10AM, Horse Sale, at New Holland Sales Stables, New Holland, PA

OUTSTANDING PUBLIC AUCTION

SEVERAL LOCAL ESTATES REMOVED TO RESCUE FIRE CO.

3701 NORTH SIXTH ST., HBG., PA

SUNDAY AFTERNOON DECEMBER 16, 1990

At 1:00 P.M.

ANTIQUE FURNITURE & COLLECTIBLES & PIANO

Early Pine/Chestnut Blind Door Drop Lid Schoolmasters Desk, Cherry Fancy Empire Chest of Drawers, Mahogany Queen Anne Cedar Chest on Legs w/Drawer, Victorian Marble Top Table, Mahogany Curved Front Corner China Closet, Unusual Victorian Walnut Marble Top Candlestand, Wurlitzer Solid Cherry Spinet Piano, Mahogany Drum Table, Early Oil On Canvas Victorian Firescreen, Victorian Brass & Marble Stand, Grain Painted 1 Drawer Washstand, 2 9x12 Bellstan Oriental Rugs, Round Inlaid Card Table, 3 Pc. Ice Cream Parlor Set, 2 Claw Foot Mahogany Tables, Decorated Cowden Jug, Early Crock Decorated w/Blue Bird, Decorated Cowden & Wilcox Crock, 20 Crocks/Jugs Some Signed, 2 Cherry End Tables, Art Nouveau Stained Glass Table Lamp, Oak Shelf Clock, Marble Base w/Cherubs Stained Glass Table Lamp, Lg. Copper Apple Butter Kettle, Dated 1840 Middle Paxton Township 3 Color Coverlet, Early Double Pewter Inkwell Signed Meeuws & Sons, Fancy Walnut Miniature Victorian Dresser, Miniature Blanket Chest, Old Early Woven Baskets, Old Prints & Picture Frames, Currier & Ives Print "Frozen Up", Ogee Mirror, 16MM B&W Mickey Mouse Movies & Projector, Washstand, Kerosene Lamps, Oak Pew, Oak Workbench w/3 Drawers, Oval Oak Beveled Mirror, Piedmont Flag Quilt, 1874 Dated Leather Box, Art Deco Cast Iron Dog Andirons, Fancy Brass/Onyx Smoker Lamp, Old 1960's Playboy Calendars, 1920's "Naughties Scrapbooks", Old Figural Bottle Opener Collection, Pocket Knives, Advertising Items, 1946 Norman Rockwell Boy Scout Handbook, Old Paper Adv. Items, 1930's Original B&W (AP) Photos of Joe Louis, Max Schmelling, Babe Ruth & Other Sport Figures, Old Scrapbooks, Postcards, Mink Cape, War Ration Book, Fort Hunter Canel Tokens, 1903 Hbg Year Book, Very Large Postage Stamp Collection Over 1500 Stamps To Be Sold As A Collection!

ARTWORK & FURNISHINGS

By Ned Smith: "Through The Pines" 384/600 Framed & Matted, "A Little Bit Cautious" 208/600 Framed & Matted. These Are Two Fine Pieces Of White Tail Deer & Black Bear. 1948 Oil By Hbg. Artist Ira Deen, 2 Watercolors, Oil On Canvas Unsigned, Congemporary L Shaped Sectional Sofa "Catnapper" w/Queen Sofa Bed & Two Electric Recliners, 3 Pc. Country Chintz Print Sofa/Loveseat/Ottoman & 2 Fireside Wingback Chairs, GE Washer & Dryer, GE Side/Side Ref/Freezer, 2 Dehumidifiers, Amf 8 HP Snowblower, GE Microwave, Lifestyle 550 Exercycle, Sanyo VCR, Quilts, 5 Pc. Round Oak Pedestal Table/Chairs, Pfaltzgraff Serv 6 Stoneware, Pots, Pans, Dishes, Glassware, Encyclopedias, Snowmobile Helmets & Clothing, Other Items Too Numerous To List.

GUNS COINS JEWELRY

Winchester Mod 88 308 Cal. Rifle w/Scope, Walther Mod KKJ 22 Hornet Rifle w/Lupold Scope, Stevens Mod 311A 410 Ga. Double Barrel Shotgun, Remington Mod 870 12 Ga. Pump Shotgun, Glenfield Mod 60 22 Rifle, Brass Powder Horn, Flintlock Pistol, Ammo, Gun Cabinet, Sterling Silver Jewelry, Ladies Platinum Diamond Ring w/6 Small Diamonds 1¼ Ct. Center Diamond, 17 Jewel Girard Perregauk 14 Kt Gold Ladies Wrist Watch w/20 Diamonds, Hamilton Pocket Watch, Ladies Platinum Band w/17 Diamonds, 14Kt Wedding Bands, Hundreds Pcs. Costume Jewelry, 7 Morgan Silver Dollars, 1909 VDB 1 Cent, 1817 Lg. Cent, 1893 & 1907 Qtrs., 1893 Colombian Half Dollar, 1780 Thaler, 8 54' Kennedy Halves, 25 Walking Liberty Halves, Franklin Halves, 1897 Dime, U Nickels, 1925 Stone Mtn Half Dollar, 2 1964 Proof Sets, Mercury Dimes, Buffalo Nickels, Wheat Pennies, Silver Certificates, Silver Coinage, Foreign Coins, Plus More!

AUTOMOBILE 2:00 P.M.

1984 Buick Regal 2 Door, White, 6 Cyl., Auto, A/C, A Title One Owner 22,000 Original Miles, Like New.

SALE ORDER: 1:00 P.M. Coins, Jewelry, Guns. 2:00 P.M. Auto, Followed by Crocks, Collectibles & Small Items. 3:00 P.M. Artwork Followed by Furniture. Very, Very Nice Clean Antiques & Furnishings. Approx. 4-5 Hr. Auction. Don't Miss A Chance To Buy Some Great Christmas Items! Inspection 10:00 A.M. To Auction Time Day Of Auction Only! ** Sales Tax Will Be Collected. Exempt Only With Pa. Lic. # And Signed Tax For. No Out Of State Checks!!**

Jeffrey L. Knosp, CAI
AU 1701L

SEVERAL LOCAL ESTATES

KERRY PAE AUCTIONEERS
Harrisburg PA
(717) 236-3752

PUBLIC AUCTION

PUBLIC AUCTION

FARM EQUIPMENT; DAIRY EQUIPMENT; SKID LOADER

Friday, Jan. 4, 1991
at 11:00 AM

Just off Rt. 662 between Oley & Yellow House, 3 miles East of Oley turn off Rt. 662 onto Blacksmith Rd., go .7 mile to intersection, Berks Co., Pa.

TRACTORS

Int 986 diesel w/cab, air, heat, wf, 2200 hrs; Int 884 diesel w/Robs cab, wf, 2310 hrs; Int Hydro 70 diesel, wide front end, 3300 hrs, also narrow front end.

COMBINE

JD 3300 diesel w/air, heat, plus 213 grain head & 244 c head.

TILLAGE & PLANTING

Int 710 - 5-18" auto spring reset pl w/hillside hitch; Int 3 pt 11 tooth chisel pl; 11' buster bar; Int 14' vibra shank field culti; Krause 14' transport finishing disc; Chattanooga 14' single roll transport cultipacker; Int 510 - 16 dbl disc grain drill (clean); JD 7000 four r conservation planter w/liq fert attach; John Blue 400 gal sprayer w/two piston ground driven pump.

HAYING & FORAGE

NH 411 - 10'3" disc bine (like new); Pequea 9' PTO tedder; JD 640 rake; JD 336 baler w/elec control ejector & Gandy applicator; (3) 16' & 18' bale side wagons; King Wyse 32' bale & c elev w/swivel chute; JD 716-A tandem axle three beater forage wagon w/roof; 2 Farmco 24' bunk feeders; 2 Rissler 5' & 10' elevators w/motors; P-Agro forage moisture tester.

SKID LOADER

NH 455 diesel w/manure bucket, fork & towing hitch, 500 hrs.

DAIRYING

DeLaval #76 five unit milker pump, also 40 lb & 50 lb buckets w/super claw cups; Surge fly killer; Stoltzfus 4 calf hutch w/feed entry; 4 lg barn fans; Dynavent bale shredder; Stoltzfus 5 ton feed bin; 2 calf & heifer grain or hay bunk feeders; asstd metal cattle gates; elec fencers.

MISCELLANEOUS

Int 560 single beater PTO manure spreader; 2 JD 1065-A running gears w/grain gravity boxes; Winpower 20,000 watt PTO alternator; JD 3 pt tool bar culti; 275 gal skid fuel tank; (2) 1100 gal poly fert tanks; 11' & 21' 6" augers w/motors; 2 hp & 5 hp sp motors; baler twine; corn drag elev; slatted flr hog finishing unit on transport axle; two wheel heavy duty PTO dump trailer; Gehl 72 PTO flail chopper (needs help); 5 asstd lengths cattle water troughs; (2) fertilizer transfer pumps.

NOTE: Majority of equip. looks decent -- selling because of failing health.

Refreshments Available
Terms -- Cash or Acceptable Check

For
TERRY & LOUISE BASHORE

Conducted by
Ralph W. Zettlemoyer Auction Co., Inc.
215-395-8084
Pa. License #AU-001809-L

P.O. Box 215 • Fogelsville PA 18051 • 215 395 8084 • License #AU001809 L
RALPH W. ZETTLEMOYER AUCTION CO., INC.

Public Auction Register

Closing Date Monday 5:00 P.M.
of each week's publication

FRI JAN 4 - 11AM, Farm Equipment, Dairy Equipment, Skid Loader, located just off Rt 662 between Oley & Yellow House, 3 mi E of Oley turn off Rt 662 onto Blacksmith Rd, go 7 mi to Intersection, Berks Co, PA, Terry & Louise Bashore, owners, Ralph W Zettlemoyer Auction Co, Inc, Aucts

SAT JAN 5 - 10AM, Fine Gold Jewelry, Diamonds & Gold Jewelry, Pocket Watch's, Sterling Jewelry, Costume Jewelry, etc, held in the Lewisberry Community Fire Hall, 105 Front St, Lewisberry, PA, Estate of Louis Maietta, Little Ike Eichelberger, Auct

THURS JAN 10 - 10AM, Excellent Country Property, Personal Property, Antiques, Coins, located at 341 Elm Rd, Lititz, PA, James S Barnhart, owner, J. Omar Landis Auction Service, Aucts

THURS JAN 10 - 4PM, RE, Brick Single Dwelling, located along Linden Grove Rd, Earl Twp, Lanc Co, PA, Junior M Garner and Evelyn M Garner, owners, T Glenn Horst and Sons, Aucts

SAT. JAN. 12 - 9AM, 30 Acre Farm, Farm Machinery, Antiques & HH Goods, located at 441 Weaver Rd, Strasburg, PA, Ron Funk and Gordon Ressler, Aucts

SAT JAN 12 - 9AM, Horses, Steers, Machinery, Some Furniture, located in Snyder Co, 7 mi S of Selinsgrove, PA, turn W off Rts 11-15, at Port Trevorton, PA, at B P. Gas Station, onto Peffer Valley Rd, 1 mi to farm, Rufus M and Michael Weaver, owners, Mark Glick, Auct

THURS JAN 17 and FRI JAN 18, Large Two Day Sale of Farm Equip, Etc, at Horst's Machinery Lot, 1 mi E of Marion, PA, Ralph W Horst, Mgr

FRI JAN 18 - 10AM, Horse Sale, at New Holland Sales Stables, New Holland, PA

TUES JAN 22, Winross Trucks, Farm Toys, 1964 Jeep, etc, located Liberty Fire Hall, Main St, New Holland, PA, Kline, Kreider & Good, Aucts

SAT JAN 26 - 1PM, 40 Acre Farm in Brownstown, PA, Leroy Z Zimmerman, owner, Paul E Martin Auction Service

February

FRI FEB 1 - 10AM, Horse Sale, at New Holland Sales Stables, New Holland, PA

SAT FEB 2, Full Line Horse Drawn Farm Machinery, 10 Horses, 80 Dairy Cattle, etc, on farm 2 mi W of Selinsgrove, PA, Mr and Mrs Raymond Martin, owners, Fraley Auction Co, Auct

SAT FEB 2, 151 Acres M/L, Real Estate, located at 105 Meadow Valley Rd, Ephrata Twp, Lanc Co, PA, J Banks Musser and Lorene M Musser, owners, T Glenn Horst and Sons, Aucts

TUES FEB 5 - 9AM, Registered High Grade Holsteins, Farm Machinery, Milking Equip & Horses, located N of Bird-In-Hand, PA, Amos K and Sara K Beiler, owners, Steve and Steve, Jr Petersheim, Aucts

TUES FEB 12, Farm Equipment & Mules, located between New Holland and Leola, turn off Rt 23 on S Groffdale Rd 1½ mi, Lanc Co, PA, Roy Stoltzfus, Jr, owner, Robert E Martin, Jeffrey R Martin, Aucts, Randal Ranck, Appr

FRI FEB 15 - 10AM Horse Sale, at New Holland Sales Stables, New Holland, PA

SAT FEB. 16, Farm Equipment, Tools, located along Rt 897, 1 mi. S of Terre Hill, Isaac Snader, Clyde H Martin, owners, Nevin Martin and Andrew Martin, Aucts

SAT FEB 16 - Tack 9 30AM, Horses 11AM, at the Belleville Livestock Mkt, Belleville, PA, selling work horses, drivers and meat horses, Mark Glick, Auct - B L Mkt

TUES. FEB. 19 - 9AM, Livestock and Farm Equipment Located ½ Mile South Of Nickle Mines, 1 Mile North Of Rt. 896 From Georgetown, Lanc Co For Mrs Jonas King And Reuben B Fisher (On The Premises) Diffenbach's New Holland Auction Center, Ltd, 100 W Jackson St, Box 485, New Holland, Pa 17557.

WED FEB 20, Farm Machinery, Holstein Herd, Mules, HH Goods and Antiques, located N of Terre Hill, Lanc Co, PA, Steve and Steve, Jr. Petersheim, Aucts.

THURS. FEB 21 and FRI FEB. 22 - 8.30AM Both Days, Antique Tractors, Engines, New-Used and Abused Farm Equip, located 10 mi E of Lancaster, 2½ mi. W. of New Holland, turn off Rt 23 of S Groffdale Rd, left on Musser School Rd, Lanc Co, PA, Elias S Beiler, owner, Robert E and Jeffrey R Martin, Randal Ranck, Blaine and Nevin Rentzel, Bob and Dennis Wolgemuth, Freddy Goodrich, Aucts

SAT. FEB. 23, Farm Equipment and Household Goods, located along Sheep Hill Rd, ½ mi South of East Earl, Ivan Z and Barbara S Martin, owners, Nevin and Andrew Martin, Aucts

TUES. FEB 26, Herd of Reg Holsteins, Full Line of Farm Mach, located Clearfield Rd, Lanc. Co, PA, Jacob S. Stoltzfus, owners, Steve and Steve, Jr. Petersheim, Aucts.

TUES. FEB. 26, Farm Equipment and Household Goods, located 2 mi. N. of Leola, turn off Rt 23 on N Quarry Rd. turn left on Stormstown Rd., 2nd lane left, Benuel K King, owner, Robert E. Martin, Jeffrey R Martin, Aucts., Randal Ranck, Appr.

TUES FEB. 26 - 9AM, Horses, Machinery, Dairy Equip, Some Furniture, located in Centre Co, ½ mi. N. of Rebersburg, PA along Rt. 880, C J and Mose Stoltzfus, owners, Mark Glick, Aucts.

FARM TOY SHOW AND AUCTION

also Many Toy Trucks

6th annual event
Saturday, Dec. 29th,
Lancaster, Pa.

Farm & Home Center, off Route 72
Behind Jones Honda/Pontiac and Conestoga boats

SHOW OPEN 9:00am, TO 2:45pm

Thousands of older and newer farm related toys and toy trucks including Winross and Ertl collector banks and Hess trucks will be for sale or trade. Also guides and books

TOY AUCTION
4:45pm, Dale Stoltzfus AU-906L
300 good farm toys

Special Mention Tru-Scale M Farm Set, JD 60, picker and loaders in original boxes, Farmall 400, 450, 560. AC D-17 and CA pedal tractors, Case 930, IH's. A *brief* listing Many rare items already consigned including older Hess & other trucks.

Info: Dave Nolt (717) 768-3554 evenings

— Save this ad —

---

2 AUCTION SALES

ANDERSEN WINDOWS, DOORS, ROOFING
MARBLE & CERAMIC TILE, CARPET
BEDDING, BICYCLES, MICROWAVES
OFFICE FURNITURE & EQUIPMENT

TUESDAY, DECEMBER 18 - 10 AM
ON PREMISES
1825 E. BOSTON AVE., PHILA., PA.

SALE FOR ACCOUNT OF UNDERWRITERS AND OTHER ACCOUNTS COMPRISING IN PART:

ANDERSEN WINDOWS, DOORS, MOLDINGS, ROOFING
180 NEW Andersen Window Units in a Full Assortment of Sizes, 325 Rolls Industrial Roofing Paper, Pre-hung Insulated Steel Doors, Interior & Exterior Doors, Ceiling Tile, Kitchen Cabinets, Roofing, Underlay & Masonry Nails, Fiberglass Insulation, Pressure Treated Lumber, Paneling, Shutters, Wood Pine Moldings, Wrought Iron Railings, Aluminum Gutter, Hardware, Pallet Shelving.

MARBLE TILE, CERAMIC TILE, CARPET, PLUMBING
4,800 S F Granite & Marble ⅜ "x12"x12" Tile In Original Crates, Quantity of Ceramic Floor & Wall Tiles, Medicine Cabinets, Mirrors, Light Bars, Shower & Tub Modules, Vanity Tops, 50 Rolls Broadloom Carpet 12' & 15' Widths, Range Hoods, 75 Cases 24/20 Oz. Crushed Pineapple.

BEDDING, BICYCLES, MICROWAVES, FURNITURE
75 Sets Name Brand Bedding in Full, Twin, Queen & Double Sizes, Dinette Tables & Chairs, Vertical Blinds, Rocking Chairs, Air Conditioners, Sofas, Bedroom Furniture, Microwaves, Sewing Machines, Vacuum Cleaners, Light Fixtures, Wallpaper, Awnings, 30 New Huffy & Murray Bicycles.

OFFICE FURNITURE & EQUIPMENT
New Office Furniture, Equipment & Machines, Executive Desks, Secretary Desks, Storage Cabinets, Typewriter Tables, Computer Tables, Typewriters, Calculators, Fax Machines, Printers

INSPECTION: MONDAY, DECEMBER 17 - 9 A.M. TO 4 P.M.
TERMS CASH OR CERTIFIED FUNDS - 25% DEPOSIT REQ.

TRUSTEE SALE IN BANKRUPTCY CASE NO. 89-01841
JOSEPH M. WEINBERG, ESQ. TRUSTEE

CONTRACTORS TOOLS, OFFICE EQUIPMENT
DITCH WITCH TRENCHER, VANS, TRAILER

WEDNESDAY, DECEMBER 19 - 10 AM
ON PREMISES
HARRIS TERMINAL - H.J. McDONALD CONTRACTORS
2201 MT EPHRAIM AVE., CAMDEN, N.J.

DITCH WITCH TRENCHERS, 8 FORD VANS
1985 Ford Econoline 350 Van, 1984 Ford Econoline 350 Van, 1979 Ford Econoline 350 Van, 1985 Ford Econoline 150 Van, 3 - 1982 Ford Econoline 150 Vans, 1972 Ford Econoline 150 Van, Ditch Witch Model V30 - 4 Wheel Drive Tractor w/Rear Trencher & Front Plow, Ditch Witch Model M3 w/Trailer, 1986 Centervill Model EC16 Tandem Tow Trailer

ELECTRICAL CONTRACTORS TOOLS, OFFICE FURNITURE
Power Packs, Crimpers, Cutters, Drills, Hilti Concrete Gun, Screw Guns, Snake Wires, Ridgid Threader No 300, Pumps, Wire Grip Kits, Knockout Punch Sets, Heaters, Tubing Benders, Gas Electric 4k Generator, Wire Pullers, Greenlee Binders, Blackhawk Benders, Gang Boxes, Electrical Fixtures & Connectors, 1- Allen Bradley PLC-3 Programmable Controller w/1775 Power Supply, Office Furniture - Desks, File Cabinets, Chairs, Savin 765 Copier, Data Processing System, Executone 10 Button Phone System

INSPECTION DAY OF SALE FROM 8:30 A.M.
TEMRS: CASH OR CASHIER'S CHECK - COMPLETE PAYMENT DAY OF SALE

PA AUCTIONEERS LICENSE NO. AU000175L

ESTABLISHED IN 1834
COMLY Auctioneers
WM. F. COMLY & SON, INC.

1825 East Boston Avenue
Philadelphia, PA 19125
(215) 634-2500

Public Auction

Every Fri., Starting Jan. 4
4 P.M.
Furniture 7 P.M.
Located: Green Dragon Market & Auction.

Antiques & Household Goods & Tools & Produce.

Consignment Welcome. Pickup Service Available. Call (717) 733-8192.

Wolgemuth Auction Service

Dennis, #2357	Bob
Res. 664-3893	Res. 665-6684

Belleville Livestock Market

Wednesday, December 19, 1990
1:30 PM

Complete milking herd dispersal from western Pa. 36 head of Holstein dairy cows consisting of 6 recently fresh, 14 due next 2 months, the rest - all stages, health charts, pregnancy checked, AI bred.

Note: A young herd of sharp dairy cows in full flow of milk.

For more information call:
Gene Glick
717-667-2703

THE EGG BASKET

Absolute Public Auction

Everything To Be Sold To The Highest Bidder

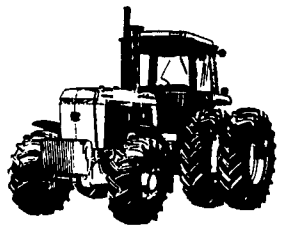
!! ***OUTSTANDING LINE OF FARM MACHINERY*** !!

Saturday, December 29, 1990 • 9:00 A.M.

Directions From Lancaster, PA: Take Rt. 283 West To Manheim-Mt. Joy Exit, From Exit Go West On Rt. 772 Approx. 1.3 Miles To Milton Grove Road And Continue On Milton Grove Road To Mt. Pleasant Church Road And Turn Left To Auction Site.

Auctioneer Note: Please Be Prompt Not Many Small Items.

Farm Equipment



John Deere #4450 Tractor w/Cab, 4 Wheel Drive, 3000 Hours; John Deere #4450 Tractor w/Cab & #280 Loader, 4 Wheel Drive, 4500 Hours;

John Deere #2640 Tractor w/#146 Loader, 4700 Hours; John Deere #7000 Conservation Grow Corn Planter; John Deere #65 Scraper; Deutz #710 Tractor w/Cab, 4 Wheel Drive, 3600 Hours; International #886 Tractor w/Cab, 3800 Hours; Case International Grow Cultivators w/Rolling Disk Collars; Case International #181 Rotahoe; Case International #5100 18 - 7' Disk w/Grass Seeder & Press Wheels; International Cub Cadet #482 Tractor w/Mower; New Holland #775 Skid Loader w/ Deutz Air Cooled Engine; New Holland #495 Haybine 12' w/End Transport; New Holland #320 Baler Hydro-Formatic w/Thrower; New Holland #8 Forage Box Wagon w/Gear; New Holland #258 Hydraulic Drive Rake; New Holland #462 Disk Mower; (2) New Holland #800 Manure Spreaders; (5) Killbros #375 Gravity Bin Wagons w/Side Ext.; McCurdy #275 Gravity Bin Wagon w/Side Ext.; Gehl Flatbed Wagon; Gehl #460 Round Baler; 1984 Chevrolet Pickup Truck, 4 Wheel Drive, 58,000 Miles, Automatic, Cattle Racks; Gravely #8122 Lawn Tractor w/48" Mower Deck; McKee 3 Pt. Snow Blower; Vicon 3 Pt. Rake/Tedder; Woods #RM-90-2 7½ ' Mower; Woods Bale Buster; Woods #R107 - 7' Rotary Mower; Century 500 Gallon Sprayer; Glenco 9 Tooth Chisel; Amco 18' Disk Harrow w/Buster Bar; Van Dale #500 Mixer Cart; Conspread Semi-Liquid Spreader; Slurry Buggy 2900 Gallon Liquid Spreader; Brillion Hydraulic Fold 21' Cultipacker; Bush Hog Post Hole Digger; Herd Seeder #750 3 Pt.; Little Giant Corn Drag Elevator; Harvest Handler 15' Elevator; (2) Air Compressors (1) Stationary (1) Portable; Plate Mill (Like New); (4) Grain Aerators; Westfield 8" Augers; (2) 48' Exhaust Fans; Platform Scales; 40' Ext. Ladder; Metal Band Saw; Portable Conveyor w/Stands (New); Meyer 8' Snow Plow; Motomco Moisture Tester & Scales; 2 Wheel Cart; Barrel Tilter; Butcher Kettle; Iron Kettle; Iron Troughs; Drums; V Trough Augers; Gear Boxes; Hand Grass Seeder; 3-Phase Motors; Handyman Jack; Bucket Grease Pump.

Office Equipment

TRS Model III Computer; Best Unlimited Power Supply System For Computer; Filing Cabinets; Upright Cabinets; Office Desk & Chairs; Tripp-Lite Line Stabilizer; Marsh Tape Machines Model 3-FH; G.M.I. Plastic Tubing; Y 4' Stainless Steel Caber.

Terms: Cash or Approved Check - No Exceptions!!

Food By: Sonlight School

Auctioneer's Note: If You Are In Need Or Looking For Well Maintained Clean Machinery, This Is An Auction You Cannot Afford To Miss.

Auction For:
The Egg Basket

Auction Conducted By The:
J. Omar Landis Auction Service
Jay M. Witman, AU001127-L
Box 501, Apple & Robert Streets
Ephrata, PA 17522
(717) 738-7900 - 665-5735

"Our Services Are Often Copied, But Never Duplicated"

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

HOLIDAY COW SALE

Friday, December 21, 1990

- 11:00 A.M.

Selling at Kling's Sale Barn, located 15 miles north of Carlisle on Rt. 74, 2½ miles N.E. of Landisburg, Perry Co., Pa.

Selling... 50 Recently Fresh or Close Springing 1st & 2nd Calf Heifers. Approx. 1/2 Registered - From Top sires as Astro Jet, H.H. Spartan, He-Man, Revelation, Warden, Marlin, Browndale Commissioner, Spruce Edge Majesty, Valiant Sir, Tempo, etc.

Many with records or records on Dams; Several Milking up to 90.0 lbs. **Registered Heifer Calves from these Good Young Cattle also sell.**

Owner, *Art Kling*

Plus... 15 Good, Grade Cows From Upper Dauphin County. All from 1 Herd - Several Just fresh - Balance in Different Stages of Lactation. (Complete Herd Dispersal).

20 Close Springing or Just Fresh Grade Heifers with Size & Quality. (Consigned from Local Farms)

Sale Managed By...
KLING'S AUCTIONS, INC.
R.D. #1, Box 66
Landisburg, Pa. Lic. #500
717 789-3883 (Office)

AUCTION KLING'S SERVICE

PUBLIC SALE

OF ANTIQUES, HOUSEHOLD GOODS & TOYS — WINROSS TRUCKS

BRICKERVILLE FIRE HALL

THURS., DECEMBER 20, 1990

AT 3:30 P.M.

Sale to be held at the Brickerville Fire Hall, located just off Rt. 322, approx. 8 miles west of Ephrata, Brickerville, Lancaster Co., PA.

FURNITURE

6 Leg Walnut Drop Leaf Table; Depression & Waterfall Bedroom Suites; Wicker Patio Set; French Provincial Dining Room Suite; Oak Dresser; Victorian Card Table; China Closet; Living Room Suites; Sofa Beds; Cedar Chest; Open Wash Stand; Needlepoint Chairs; Marble Top Tables; Victorian Mirror; Walnut Mirrors; Breakfast Sets; Singer Sewing Machine; Electrolux; Freezer; Air Conditioners; Clothes Trees; Trunks; Student's Lamp; Mantle Clock; Pictures; Exercise Bike.

CHINA & GLASSWARE

Ironstone Carnival; Noritake Azalea Nippon Cut Glass; Pressed & Pattern Glass; Perfume Bottles; Stoneware China; Jugs & Crocks; Dairy Bottle; Marbles.

LINENS: Quilts; Army Clothing; Sheet Music; HAND MADE CHRISTMAS DECORATIONS; Hamilton Pocket Watches.

TOYS: Tonka Caterpillars, Graters, Crane, Dump & Construction Trucks; Buddy L Trucks; Hess Trucks; Ertl Trucks, Tractors & Wagons; International Tractors; John Deere & Ford Tractors; Toy Implements; Cast Iron Fire Engine; Winross Trucks.

BASEBALL CARDS: Richie Ashburn, Johnny Bench, Pete Rose, Mickey Mantle, Erector Set; LIONEL TRAIN; American Flyer Train.

TOOLS: Riding Mower; Machinist Tool Cabinet; Hand Tools; Socket Sets; Old Radio Parts & Tubes.

Terms By:
MAMIE ECKERT ESTATE

HORST AUCTS.
T. Glenn AU438L
Timothy G. 859-1331 — 738-1245
Thomas A. *VOICES OF EXPERIENCE"*

WED. FEB. 27 - 9AM, Full Line of Horst Drawn FArm Machinery, 6 Head of Mules, 3 Flat Bed Wagons, Few HH Goods and Antiques, located 2 mi. W. of Morgantown, Christ E. and Rebecca Stoltzfus, owners, Steve and Steve Jr Petersheim, Aucts

March

FRI MAR. 1 - 9AM, Machinery On Consignment at the Belleville Livestock Mkt., Belleville, PA, Mark Glick, Auct.

FRI. MAR. 1 - 10AM, Horse Sale, at New Holland Sales Stables, New Holland, PA.

SAT. MAR. 2 - 8.30AM, 27th Annual Bart Twp. Fire Co. Sale, Farm Equipment, Tools, Antiques, Quilts, Dry Goods, HH Goods, located in the village of Georgetown, 6 mi. SE of Strasburg along Rt. 896 (Lanc. Co., PA), Local Auctioneers.

TUES. MAR. 5, 9AM, Dairy Cows and Farm Equipment, 3 miles south of Strasburg along Eisenberger Road for Levi S. Fisher (On the premises).

WED. MAR 6 - 10AM, Farm Machinery, (2) AC diesel tractors, Full Line of Forage & Tillage Equip, Milking Equip., located 3 mi E of Honey Brook, PA, John O and Lydia Stoltzfus, owners, Steve and Steve, Jr. Petersheim, Aucts.

FRI. MAR. 8, Full Line Modern Machinery, 3 Tractors, 50 Dairy Cattle, etc., on farm 3 mi. N. of Lamar, PA, James & Violet Muthler, owners, Fraley Auction Co, Aucts

MON. MAR. 11, Annual Pennsylvania World Relief Heifer Sale at Lancaster, Wilmer Kraybill, Mgr.

FRI. MAR. 15 - 10AM, Horse Sale, at New Holland Sales Stables, New Holland, PA

SAT. MAR. 16, Fraley's Annual Spring Machinery Consignment Sale on our farm 3 mi. E. of Mucy, PA, Fraley Auction Co., Aucts

SAT. MAR. 16 - 8:30AM, Building Material Sale for Bart Twp. Fire Co -Windows, Doors, Siding, Lumber, etc., located in the village of Georgetown, 6 mi. SE of Strasburg, along Rt. 896 (Lancaster Co., PA), Local Auctioneers

THURS. MAR. 21 - 11AM, Easter Lamb Sale, at New Holland Sales Stables, New Holland, PA.

FRI. MAR. 22, Horse Drawn Farm Machinery, Horses, Dairy Herd, etc, on farm 3 mi. N of Turbotville, PA, Ervin & Anna Nissley, owners, Fraley Auction Co, Aucts

SAT. MAR. 23 - 9 30AM, Full Line of Farm Equipment, Corn and HH Goods, located 3 mi E of Lancaster turn off Lincoln Hwy E on Strasburg Pike, 3 mi S to Pioneer Rd turn left 1st lane left, J Robert and Dorothy Musser, owners, Robert E and Jeffrey R Martin, Aucts

April

FRI APR 5 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

FRI APR 19 - 3PM, 4th Annual Pfeiffer Hill Consignment Auction-Lawn & Garden Tractors and Equipment, from Exit 21 of PA turnpike, take Rt 272 S to first light, turn left on Church St through Reamstown to Red Run Rd, turn left, go 1/10 mi, turn left on Steffy Rd, approx ½ mi to sale on right, Kline, Kreider & Good, Aucts

FRI ARP 26 - 6PM, Annual Spring Heifer Sale, at Belleville Livestock Mkt Belleville, PA, 300 400 head open and bred heifers, Mark Glick Auct

SAW MILL - CHICKEN HOUSE EQUIPMENT

AUCTION SALE

After over 50 years of owning a Saw Mill and Raising Chickens, Mr. Walt Dennis will sell the following equipment on:

Saturday, December 22, 1990
11:00 A.M.
Rt. 374 - Berlin-Libertytown Rd., Libertytown, MD. (near Berlin)

Directions: From Salisbury take Rt. 50 East to Willards, MD., turn Right at blinker light on Rt. 354 go approximately 5 miles thru Powellville, turn Left on Rt. 374 go 4 miles, Sale on Left.

FRICK SAW MILL with 3 Block Head Rig on Howe carriage all metal in excellent condition. Will saw up to 25 ft. logs including 2-1/2"x8'. Mandel and 50" inserted tooth saw turns 800 RPM and Line Bar.
GM 4 cyl 100 HP Diesel Engine.
10 TN & 14 TN Brock Feed Bins.
7,000 Bushel Grain Tank w/aeration & auger.
Various Chicken House equipment including water troughs and stoves.

Terms- Good check day of sale.

Walter Dennis

PETE RICHARDSON AUCTION SALES

Pete Richardson Auction Sales, Inc.
P.O. Box 51, Willards, MD 21874
Office - 301/546-2425

JAMES S. BARNHART

PUBLIC AUCTION

Excellent Country Property
PENN TWP.
PERSONAL PROPERTY, ANTIQUES, COINS

NEW YEAR'S DAY
TUES., JAN. 1, 1991
10 A.M.
11 A.M. Real Estate

Located at 341 Elm Road, Lititz, PA. Take Rt. 501 North of Lititz to Newport Road. Go west on Newport Road to the village of Elm. Turn left on Elm Road to auction site.

REAL ESTATE

Tract 1: Consists of 1.966 acres with a well-built brick ranch home with kitchen, dining room, living room, 2 BRs, bath, full basement, hardwood floors, well water. Small wooden utility shed.

Tract #2: Consists of 10.38 acres. Real estate having gentle rolling terrain. Large fenced-in meadow with stream. Acreage in high producing state of cultivation.

This is an ideal property for a horse or small farmette, or truck farming operation. Don't miss this one.

SMALL AMOUNT OF PERSONAL PROPERTY

TERMS ON REAL ESTATE: 10% down day of auction, balance within 45 days. PERSONAL PROPERTY Cash or approved check.

OPEN HOUSE DATES: Sat., Dec. 8 1-3; Sat. Dec. 15, 1-3; Thurs., Dec. 20 6-8 or call 717-665-7558.

Auction for
JAMES S. BARNHART
Susan Young Nicholas POA
Young & Young Atty
717-665-2207

Auction conducted by the
J. Omar Landis Auct. Serv.
Jay M. Witman AU001127-L
Box 501, Ephrata, PA 17522
717-738-7900, 665-5735

BANKRUPTCY AUCTION

United States District Court for the Middle District of Penna.

In the Matter of Mailman's Dep.t Store
Bankruptcy No.
BK#1-90-01505 BK#1-90-01506 BK#1-90-01504

MAILMAN'S DEPT. STORE, WAREHOUSE AUCTION

AT 1231 Wallace St., York, Pa.

ON MONDAY, DEC. 17, 1990
AT 10 A.M.

THE FOLLOWING WILL BE SOLD AT ABSOLUTE AUCTION

3 - 40 Ft. Fruehauf 8-wheel trailers Model #FB6-F2-40 Mfg. 1969 Water tight & alarmed, Yale forklift type G Model 682C-030-HFT-071 - 6,000 lbs., Clark Lift Forklift L.P.G. 5,000 lbs. GF 50P-329-689, Metal loading ramp, Hahn Eclipse rear engine riding mower, Jacobsen power mower, Regent upright piano, desk, NCR-ITX Main Frame Computer system & printer, Gibson air conditioner, Industrial Dolly, Conveyor, Fluorescent lights, mirrors, signs, clothes tree, 108 sections of 8 ft. Industrial Shelving, 1 - 7 ft. & 2 - 14 Ft. portable ladders on wheels, Lots & Lots of 3' & 4' open shelf type shelving gondola type, 7 Display cases, Approx. 150 Shopping Carts, Misc. display racks, Locker, Sofa, 5 skids of paper bags in asst. sizes, Hundreds & Hundreds of wooden pallets, Lots of misc. items. All items sold As-Is - Where-Is. Come prepared to buy & haul away. Not responsible for accidents on day of auction. SPECIAL NOTE: The above items can be inspected Tuesday, Dec. 12, 1 P.M. to 3 P.M. & 1 Hour prior to auction. NOTE: Wallace St. is located between N. Harrison and North Hartman St., 1 Block off E. Phila. St.

TERMS: Cash, Certified or Travelers Checks.

Lawrence V. Young
Trustee

Jacob A. Gilbert, Lic. #336
Brian L. Gilber, Lic. #2256
Auctioneers

— AUCTION —

OF SERVICE STATION WORKING EQUIPMENT & SUPPLIES IN POSSESSION OF BLUE BALL NATIONAL BANK

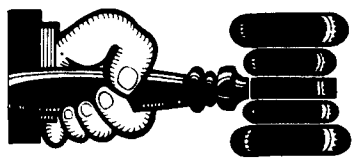
MON. DEC. 17, 1990 - 4:00 P.M.

MACHINERY & EQUIPMENT:
Hydraulic Lifts; Snap On Tool 3 Shelf Cart; Snap On Tool 2 Shelf Cart; Emission Tester w/Rack; Battery & Alternator Tester & Charger; Digital Oscilloscope; Utility Carts; 4 Wheel Flatbed Carts; Engine Hoist; Various Screw/Bolt/Nut Cabinets; Welding Unit; Various Automotive Repair Manuals; Tire Changer Machine; Assorted Jacks; Creeper; Tune Up Meters; Assortment Of Mechanic Tools.

OFFICE EQUIPMENT:
Metal Filing Cabinet; Assort. Wooden Chairs; 3 Piece Computer Table; Automotive Brand Name Display Cabinets; Racks; Fire Extinguisher; Cash Register; Check Imprinter.

AUTO PARTS:
Shocks; Oil Filters; Spark Plugs; Wiper Blades; Thermostats; Engine Coils; Radiator Hoses; Fan Belts; Oil Seals; Gaskets; Fuel Filters; PCV Valves; Rivot Kit, Windshield Repair Kit; Brake Pads & Shoes; American & Imports Parts; Air Cond. Parts; and other assorted items.

DIFFENBACH'S NEW HOLLAND AUCTION CENTER
100 W. JACKSON ST.
NEW HOLLAND, PA 17557
PHONE: (717) 355-7253 DIFFENBACH AUCT.'S - 225-L



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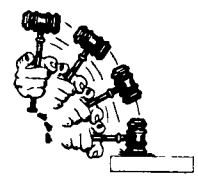
NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 5 P.M. Tuesday of each week's publication.



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WEDNESDAYS
Farm Machinery Consignment Auction

The FIRST WEDNESDAY EVENING OF EACH MONTH at 6 P.M. sharp.
We are open the preceding Tuesday of each sale day to check in consignments from 8 A.M. to 8 P.M. Handling farm machinery, lawn and garden equipment, tools, fire wood, cut lumber and related miscellaneous items. Five auctioneers operating simulatenously.

Hay And Straw Grain
EVERY WEDNESDAY
[illegible] truck
load [illegible]
starting at 1 P.M.
Barn Open at 8 A.M. to Consign
[illegible]
Auctioneers and Managers
Phone (215) [illegible]-3239 or (215) 227-3236
"Sales Every Week Since 1955"

Dairy and Livestock Sales

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

FRI APR 26 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

May

SAT. MAY 4 - 9AM, Collection of Trains and Trail Related Items dating from 1940's to present, Gary Martin, owner, Diffenbach's, Auct

SAT MAY 4 - 10AM, Grade Heifer Sale, at New Holland Sales Stables, New Holland, PA.

SAT. MAY 4 - 10AM, Ringo Hills FArm machinery and Tool Auction, located Port Allegany, PA, Pirrung Auctioneers, Inc, Aucts.

FRI MAY 10 - 7PM, Feeder Cattle Sale, at New Holland Sales Stables, New Holland, PA

FRI MAY 17 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

JUNE

SAT JUN 1 - 10AM, Registered Heifer Sale, at New Holland Sales Stables, New Holland, PA.

FRI JUN 14 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

JULY

FRI JULY 19 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

AUG.

FRI AUG 9 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

SEPT.

FRI SEPT 13 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

SAT SEPT 28 - 10AM, Registered & Grade Heifer Sale, at New Holland Sales Stables, New Holland, PA

OCT.

FRI OCT 18 - 7PM, Feeder Cattle Sale, at New Holland Sales Stables, New Holland, PA

WED OCT 30 - 9AM, Annual Dairy Show & Sale, at New Holland Sales Stables, New Holland, PA

NOV.

FRI NOV 8 - 7PM, Horse Sale, at New Holland Sales Stables, New Holland, PA

FRI NOV 29 - 7PM, Feeder Cattle Sale, at New Holland Sales Stables, New Holland, PA

250-350 HEAD SPECIAL HORSE SALE WORK HORSES MULES DRIVING HORSES

FRIDAY, JANUARY 4, 1991

AT NEW HOLLAND SALES STABLES, INC.
12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

Tack 9:00 AM. Sale 10:00 AM.

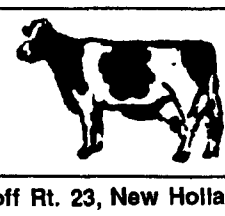
* **2 Load Work Horses, Mules and Driving Horses Consigned by Ward Wright.**
* **1 Load Work and Driving Horses Consigned by Bud Leonard.**
* **1 Load Work Horses and Mules Consigned by Billy Cochran.**
* **1 Load Work Horses Consigned by Billy Meadows and Jim Howard.**
* **1 Load Driving Horses Consigned by Elam B. Stoltzfus, Reuben G. Stoltzfus, Clayton Waterbury and Jonas Beiler.**

Plus many more consignments by sale time.

For more information call:
Norman or David Kolb- 61L
717-354-4341- Barn • Home- 717-397-5538
NEXT HORSE SALE JANUARY 18 - 10:00 A.M.

Milk's got more!

NEW HOLLAND SALES STABLES, INC.



Located 12 Miles East Of Lancaster, just off Rt. 23, New Holland, Pa.

Every Buyer Gets A Ham

SPECIAL CHRISTMAS SALE
WED., DECEMBER 19, 1990

2 Load Top Purebred And Grade Cows
From Franklin And Bradford Counties Includes.
* 1) 3 Year Old Elevation Milking Over 14,000 With a 3 4 Test Due To Chairman Dam Has Over 30,000M 1150F.
* 1) 3 Year Old Gabler Daughter Milking Over 19,000 With A 3.9 Test Some Cows Milking 70 To 90 Lbs. Per Day- Marvin Eshleman

1 Top Load Purebred And Grade Cows
From New York State And Susquehanna County, Fresh And Springers- Alfred Albright

1 Top Load Western Pennsylvania Cows
Purebreds And Grades, Fresh And Springers. This Is A Top Load Of Cows- Robert And David Kennedy.

1 Top Load Wisconsin Cows
Fresh, Purebred And Grades. Some Cows Milking 75 To 95 Lbs. Per Day- Dale Hostetter.

1 Load New York State Cows
Purebred And Grades, Fresh And Springers. Top Load Of Cows- Leroy Smucker

18 Head 1st [illegible] Heifers
Vaccinated, Due January Consigned By David Wolf.

30 Head Of Vaccinated [illegible] Sired Heifers
Due After The 1st Of The Year- [illegible] Myer, Lebanon County.

34 Head [illegible] Herd [illegible] Calf Heifers
From Potter County. 31 Have Calved Since 1st Of August. These Are AI Sired by Sire Power Bulls. Averaging 60 Lbs. Per Head In The Tank, 3.8 To 3.9 Butterfat Test At Creamery- Alfred Albright.

[illegible] Vaccinated [illegible] Sired
Breeding Age Heifers From One Herd.

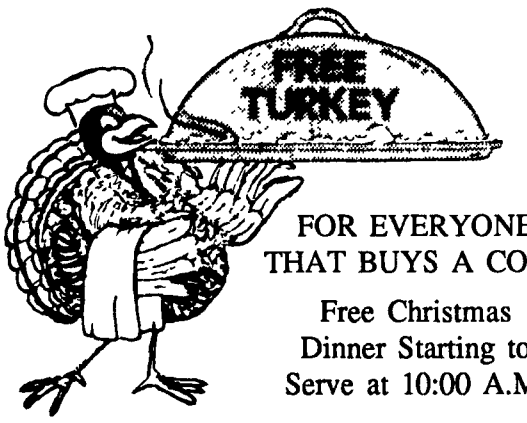
PLUS MANY MORE CONSIGNMENTS For More Information Contact:
Norman Kolb, Pres. 717-397-5538 David Kolb, V. Pres.
61L Barn Phone 717-354-4341

MELVIN KOLB, INC.

SPECIAL CHRISTMAS SALE

200 QUALITY HOLSTEINS 200

Thursday, December 20, 1990
At 11:00 A.M.



FOR EVERYONE THAT BUYS A COW!

Free Christmas Dinner Starting to Serve at 10:00 A.M.

LOCATION: At my Maryland farm located 1/2 mile northwest of Woodsboro, Route 550 in Frederick County.

MILK — QUALITY — TYPE

200 of the finest cattle were selected for this special sale. Top Purebreds and grades from the New England States, New York and Up-State Pa. Purebred cows and heifers - some classified, many with outstanding pedigrees. Grades - large, well uddered, cows and heifers with lots of dairy character. Cows milking to 100 lbs. Heifers 70-80 lbs. This is an extremely nice group of cattle. 1 Extra Special load from Up-State New York. 2 Loads of Fancy Fresh 1st and 2nd grade heifers from Canada.

Sample of Some Selling

2 Service Age Bulls

* A MARK Son, Dam EX-91 4-01 25,160, 4.2 1054, Next Dam EX-91 24,130 5.2 1263, Next Dam VG-87 20,120 4.5 899.
* A BELL JESSIE Son, Dam EX-92-2E 26,400 4.2 1119, Next Dam VG-87 24,890 4.2 1055, Next Dam VG 30,270 4.0 1234.
* A WALKWAY CHIEF MARK Dtr., Dam GP 17,600 3.7 643, Next Dam 24,020 3.9 944.
* A ASTRO VALIANT DON Dtr., 2-00 13,920 4.4 611, Dam 83 Pts. 25,960 3.9 1013, Next Dam 31,340 3.3 1025.
* A C ROYBROOK TEMPTATION-ET Dtr. Due To BLACK STAR 256 Days 17,600 3.5 608 Inc., Next Dam ES-90 26,550 3.8 996.
* A HAPPY-HERD BEAUTICIAN Dtr., Dam 22,060 3.5 767, Next Dam 23,290 3.9 909.
* A FANCY BRIDON ASTRO JET-ET Dtr., Dam 2-00 13,112 4.0, Dam VG 305d 19,478 3.7 712.
* A 3 Yr. ASTRO JET Dtr. Due To INGHOLM ROOSTER-RED.
* A Big Fancy 4-Yr. ROYBROOK TEMPO Dtr. (Show Cow).
* A SIR C VALOR Dtr., Dam A STEWART Dtr. 3-00 23,203 3.4 784, Next Dam 305d 26,210 3.3 860.
* A SHORE STYLIST Dtr. * A MAVIES THUNDER Dtr.
* A HANOVERHILL REPLY ET Dtr. * A FLEMINGDALE ROLAND ET Dtr.
* A HILLTOPPER ELEVATION WARDEN Dtr., Due To MELVIN, Dam 2 Yrs. 14,821 4.6 675.
* A STARTMORE STERLING ET Due To HANOVERHILL DESIGNER.
* A BROWNDALE SIR CHRISTOPHER Dtr. Due To HANOVERHILL RENEGADE.
* A HANOVERHILL DESIGNER Dtr., Dam 180d 11,025 3.9 434 Inc., Next Dam 21,030 4.0 842.
* A STRAIGHT-PINE ELEVATION PETE Dtr.
* Several Good Red & White Cows. * Some Good Jersey Cows.
* Several Good Heifer Calves.
* Many More Not In This Ad - Full Pedigrees Will Be In Sale Catalog.

DAIRYMEN: Come out Thursday morning and bring the family. A Special Chicken Dinner with all the fixins will be served starting at 10:00. Also a Free Turkey for everyone that buys a COW or CALF. An Extra special group of cattle for an extra special sale.

The Kolb Organization would like to thank everyone for their patronage throughout the past year and wish you the Merriest of Christmas's and a healthy and prosperous New Year!

FREE TRANSPORTATION FOR LANCASTER CO. AMISH
Please call: 717-569-2106 or 717-569-6800 before noon on Wed., December 19, 1990.

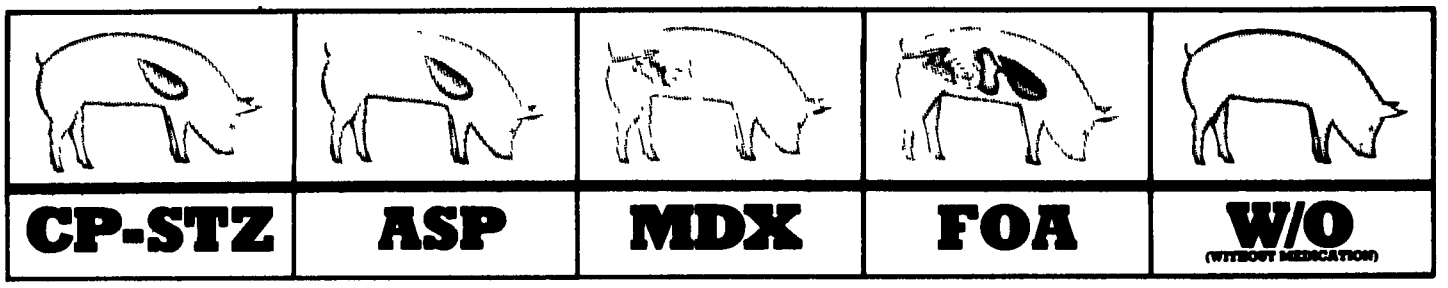
Sale Managers: Tom & Mel Kolb
Auctioneer: Robert Mullendore (AU-000644-L)
Pedigrees: Henry Kettering

MD FARM:
11342 Creagerstown Rd.
Woodsboro, MD 21798
(301) 898-7663 or 898-7720

Purina

STRESS GARD™

Brand



Because stress & disease can shatter your hogs' productivity.

It makes sense to make sure your hogs get back on track with the proven performers in Purina STRESS GARD Products. The concentrated punch of Purina STRESS GARD Products comes from antibiotics, chemotherapeutics, vitamins, minerals, lysine and methionine.

With five specially-formulated products, you can choose the STRESS GARD Product that best meets your hogs' needs.

Field & Research Trial Results

STRESS GARD

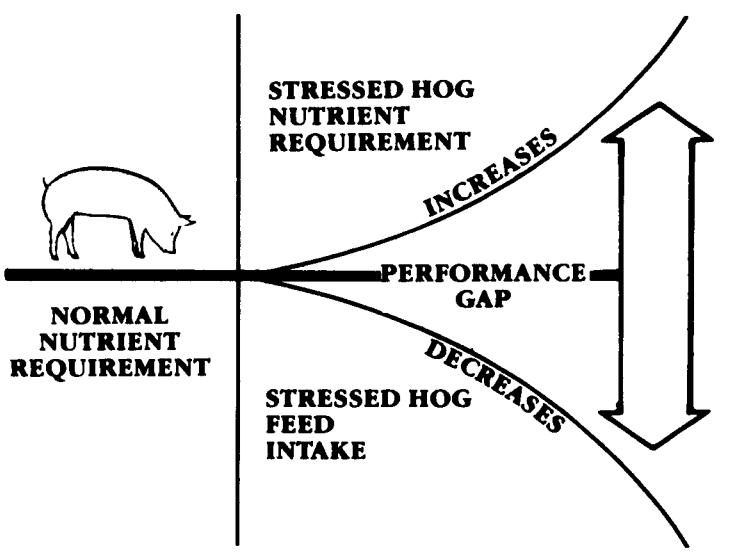
	Start		Finish					
	No.	Wt.	No.	Wt	Days	Drug	ADG	F.E.
Trial 1	88	35.6	88	62 5	21	ASP	1 28	2.32
Trial 2	202	51.5	202	73 4	21	ASP	99	2 62
Trial 3	60	31.1	60	54 6	21	TNA	1 12	2 06
Trial 4	64	48.3	64	78 8	21	CSP	1.45	2 05
Trial 5	100	42.7	100	65 4	20	CSP	1 14	2 11

Generic Drugs

	No.	Wt.	No.	Wt	Days	Drug	ADG	F.E.
Trial 1	88	35 2	88	58.5	21	ASP	1 11	2 45
Trial 2	135	48 0	133	66.5	21	ASP	84	2 56
Trial 3	60	30 0	60	51 7	21	TNA	1 03	2 16
Trial 4	64	40 0	64	66.6	21	CSP	1 26	2 10
Trial 5	100	40 3	100	61.6	20	CSP	1 07	2 35

FILL THE "PERFORMANCE GAP"

STRESS GARD™ fortifies the feed to better meet the pig's nutrient requirement during periods of stress.



In summary, these trials proved the effectiveness of STRESS GARD in increasing ADG 12.6% and improving feed efficiency by 4%. (961 hogs were included in these trials).

For More Information on These Products Call

PURINA MILLS, INC.

Camp Hill, PA 717/733-4581

* High Octane is a registered trademark of Purina Mills, Inc.